

| country | latitude_ |
|------------------------|------------------|
| Afghanistan | 34.565 |
| Akrotiri and Dhekelia | 34.61667 |
| Albania | 41.312 |
| Algeria | 36.72 |
| American Samoa | -14.307 |
| Andorra | 42.546 |
| Angola | -8.843 |
| Anguilla | 18.25 |
| Antigua and Barbuda | 17.072 |
| Argentina | -36.676 |
| Armenia | 40.254 |
| Aruba | 12.513 |
| Australia | -32.219 |
| Austria | 48.231 |
| Azerbaijan | 40.352 |
| Bahamas | 24.7 |
| Bahrain | 26.024 |
| Bangladesh | 23.88 |
| Barbados | 13.179 |
| Belarus | 53.54709 |
| Belgium | 50.837 |
| Belize | 17.843 |
| Benin | 6.364 |
| Bermuda | 32.217 |
| Bhutan | 27.479 |
| Bolivia | -15.19 |
| Bosnia and Herzegovina | 44.17501 |
| Botswana | -21.536 |
| Brazil | -19.557 |
| British Virgin Islands | 18.5 |
| Brunei | 4.501 |
| Bulgaria | 42.073 |
| Burkina Faso | 12.049 |
| Burundi | -3.365 |

| | |
|----------------------|----------|
| Cambodia | 12.026 |
| Cameroon | 10.73 |
| Canada | 43.727 |
| Cape Verde | 15.091 |
| Cayman Islands | 19.319 |
| Central African Rep. | 4.331 |
| Chad | 10.377 |
| Channel Islands | 49.217 |
| Chile | -33.554 |
| China | 29.561 |
| Christmas Island | -10.5 |
| Cocos Island | -12.5 |
| Colombia | 4.788 |
| Comoros | -11.671 |
| Congo, Dem. Rep. | -2.92028 |
| Congo, Rep. | -3.684 |
| Cook Islands | -21.2333 |
| Costa Rica | 9.941 |
| Cote d'Ivoire | 5.496 |
| Croatia | 45.11008 |
| Cuba | 23.084 |
| Cyprus | 35.081 |
| Czech Rep. | 49.77929 |
| Denmark | 55.718 |
| Djibouti | 11.505 |
| Dominica | 15.433 |
| Dominican Rep. | 18.561 |
| East Germany | |
| Ecuador | -2.062 |
| Egypt | 29.996 |
| El Salvador | 13.775 |

| | |
|-----------------------------------|----------|
| Equatorial Guinea | 2.326 |
| Eritrea | 15.312 |
| Estonia | 58.685 |
| Ethiopia | 9.007 |
| Faeroe Islands | 62 |
| Falkland Islands (Malvinas) | -51.75 |
| Fiji | -17.827 |
| Finland | 60.212 |
| France | 48.857 |
| French Guiana | 3.988 |
| French Polynesia | -17.666 |
| Gabon | 0.372 |
| Gambia | 13.257 |
| Georgia | 42.034 |
| Germany | 48.161 |
| Ghana | 6.694 |
| Gibraltar | 36.13333 |
| Greece | 38.058 |
| Greenland | 64.217 |
| Grenada | 12.115 |
| Guadelou pe | 16.163 |
| Guam | 13.44 |
| Guatemal a | 14.622 |
| Guernsey | 49.46667 |
| Guinea | 11.671 |
| Guinea- Bissau | 12.262 |
| Guyana | 5.761 |
| Haiti | 18.932 |
| Holy See | 41.9 |
| Honduras | 14.194 |
| Hong Kong, China | 22.704 |
| Hungary | 47.419 |
| Iceland | 63.892 |
| India | 25.274 |
| Indonesia | -6.562 |
| Iran | 35.38 |
| Iraq | 33.314 |

| | |
|------------------|----------|
| Ireland | 54.611 |
| Isle of Man | 54.225 |
| Israel | 32.084 |
| Italy | 45.415 |
| Jamaica | 18.055 |
| Japan | 35.712 |
| Jersey | 49.25 |
| Jordan | 31.602 |
| Kazakhstan | 44.308 |
| Kenya | -0.513 |
| Kiribati | 1.847 |
| Korea, Dem. Rep. | 39.527 |
| Korea, Rep. | 37.553 |
| Kosovo | 42.58333 |
| Kuwait | 29.326 |
| Kyrgyzstan | 41.4894 |
| Laos | 16.547 |
| Latvia | 56.858 |
| Lebanon | 34.111 |
| Lesotho | -29.595 |
| Liberia | 6.385 |
| Libya | 32.607 |
| Liechtenstein | 47.141 |
| Lithuania | 55.318 |
| Luxembourg | 49.78 |
| Macao, China | 22.506 |
| Macedonia, FYR | 41.57381 |
| Madagascar | -18.958 |
| Malawi | -15.811 |
| Malaysia | 3.269 |
| Maldives | 3.25 |
| Mali | 12.508 |
| Malta | 35.887 |
| Marshall Islands | 9 |
| Martinique | 14.654 |
| Mauritania | 17.925 |

| | |
|--------------------------|----------|
| Mauritius | -20.232 |
| Mayotte | -12.8333 |
| Mexico | 16.759 |
| Micronesia, Fed. Sts. | 7.357 |
| Moldova | 47.166 |
| Monaco | 43.746 |
| Mongolia | 47.493 |
| Montenegro | 42.78899 |
| Montserrat | 16.75 |
| Morocco | 33.593 |
| Mozambique | -18.499 |
| Myanmar | 17.679 |
| Namibia | -17.979 |
| Nauru | -0.53333 |
| Nepal | 27.712 |
| Netherlands | 51.874 |
| Netherlands Antilles | 12.192 |
| New Caledonia | -21.329 |
| New Zealand | -36.892 |
| Nicaragua | 12.211 |
| Niger | 13.876 |
| Nigeria | 6.543 |
| Niue | -19.0333 |
| Norfolk Island | -29.0333 |
| Northern Mariana Islands | 15.178 |
| Norway | 59.977 |
| Oman | 20.445 |
| Pakistan | 31.173 |
| Palau | 7.5 |
| Panama | 9.206 |
| Papua New Guinea | -6.6 |
| Paraguay | -25.583 |
| Peru | -11.794 |

| | |
|---|----------|
| Philippine s | 13.922 |
| Pitcairn | -25.0667 |
| Poland | 50.244 |
| Portugal | 38.816 |
| Puerto Rico | 18.225 |
| Qatar | 25.309 |
| Reunion | -20.954 |
| Romania | 44.526 |
| Russia | 55.675 |
| Rwanda | -2.032 |
| Saint Barthélem y | 17.9 |
| Saint Helena | -15.95 |
| Saint Kitts and Nevis | 17.327 |
| Saint Lucia | 13.898 |
| Saint Martin | 18.08333 |
| Saint Vincent and the Grenadine s | 13.254 |
| Saint- Pierre-et- Miquelon | 46.83333 |
| Samoa | -13.633 |
| San Marino | 43.76667 |
| Sao Tome and Principe | 1 |
| Saudi Arabia | 23.069 |
| Senegal | 14.772 |
| Serbia | 44.04673 |
| Seychelle s | -4.664 |
| Sierra Leone | 8.701 |
| Singapore | 1.355 |
| Slovak Republic | 48.78538 |
| Slovenia | 46.1279 |

| | |
|--------------------------|----------|
| Solomon Islands | -9.625 |
| Somalia | 10.633 |
| South Africa | -29.13 |
| Spain | 37.398 |
| Sri Lanka | 6.868 |
| Sudan | 14.043 |
| Suriname | 5.605 |
| Svalbard | 78 |
| Swaziland | -26.545 |
| Sweden | 59.278 |
| Switzerland | 47.408 |
| Syria | 33.458 |
| Taiwan | 23.64485 |
| Tajikistan | 37.806 |
| Tanzania | -2.154 |
| Thailand | 13.77 |
| Timor-Leste | -8.83333 |
| Togo | 6.194 |
| Tokelau | -9 |
| Tonga | -21.173 |
| Trinidad and Tobago | 10.418 |
| Tunisia | 36.816 |
| Turkey | 41.202 |
| Turkmenistan | 39.12938 |
| Turks and Caicos Islands | 21.75 |
| Tuvalu | -8 |
| Uganda | 0.228 |
| Ukraine | 50.281 |
| United Arab Emirates | 23.39 |
| United Kingdom | 51.51 |
| United States | 34.36 |
| Uruguay | -34.822 |
| USSR | |
| Uzbekistan | 41.272 |

| | |
|--------------------------------------|----------|
| Wallis et Futuna | -13.3 |
| Vanuatu | -15.233 |
| Venezuela | 9.843 |
| West Bank and Gaza | 31.41667 |
| West Germany Western Sahara | 24.61913 |
| Vietnam | 10.798 |
| Virgin Islands (U.S.) | 17.736 |
| Yemen, Rep. | 15.228 |
| Yugoslavi a | |
| Zambia | -12.942 |
| Zimbabwe | -17.876 |
| Åland | 60 |

| country | latitude_1900 |
|------------------------|----------------------|
| Afghanistan | 34.565 |
| Akrotiri and Dhekelia | 34.61667 |
| Albania | 41.312 |
| Algeria | 36.72 |
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| Andorra | 42.546 |
| Angola | -8.843 |
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| Ecuador | -2.062 |
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| Faeroe Islands | 62 |

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| Finland | 60.212 |
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| French Guiana | 3.988 |
| French Polynesia | -17.666 |
| Gabon | 0.372 |
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| Georgia | 42.034 |
| Germany | 48.161 |
| Ghana | 6.694 |
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| Kazakhstan | 44.308 |
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| Korea, Dem. Rep. | 39.527 |
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| Kosovo | 42.58333 |
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| Kyrgyzstan | 41.4894 |
| Laos | 16.547 |
| Latvia | 56.858 |
| Lebanon | 34.111 |
| Lesotho | -29.595 |
| Liberia | 6.385 |
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| Mexico | 16.759 |
| Micronesia, Fed. Sts. | 7.357 |
| Moldova | 47.166 |
| Monaco | 43.746 |
| Mongolia | 47.493 |
| Montenegro | 42.78899 |
| Montserrat | 16.75 |

| | |
|--------------------------|-----------|
| Morocco | 33.593 |
| Mozambique | -18.499 |
| Myanmar | 17.679 |
| Namibia | -17.979 |
| Nauru | -0.533333 |
| Nepal | 27.712 |
| Netherlands | 51.874 |
| Netherlands Antilles | 12.192 |
| New Caledonia | -21.329 |
| New Zealand | -36.892 |
| Nicaragua | 12.211 |
| Niger | 13.876 |
| Nigeria | 6.543 |
| Niue | -19.03333 |
| Norfolk Island | -29.03333 |
| Northern Mariana Islands | 15.178 |
| Norway | 59.977 |
| Oman | 20.445 |
| Pakistan | 31.173 |
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| Panama | 9.206 |
| Papua New Guinea | -6.6 |
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| Qatar | 25.309 |
| Reunion | -20.954 |
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| Rwanda | -2.032 |
| Saint Barthélemy | 17.9 |
| Saint Helena | -15.95 |

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|---|----------|
| Saint Kitts and Nevis | 17.327 |
| Saint Lucia | 13.898 |
| Saint Martin | 18.08333 |
| Saint Vincent and the Grenadine s | 13.254 |
| Saint- Pierre-et- Miquelon | 46.83333 |
| Samoa | -13.633 |
| San Marino | 43.76667 |
| Sao Tome and Principe | 1 |
| Saudi Arabia | 23.069 |
| Senegal | 14.772 |
| Serbia | 44.04673 |
| Seychelles | -4.664 |
| Sierra Leone | 8.701 |
| Singapore | 1.355 |
| Slovak Republic | 48.78538 |
| Slovenia | 46.1279 |
| Solomon Islands | -9.625 |
| Somalia | 10.633 |
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| Spain | 37.398 |
| Sri Lanka | 6.868 |
| Sudan | 14.043 |
| Suriname | 5.605 |
| Svalbard | 78 |
| Swaziland | -26.545 |
| Sweden | 59.278 |
| Switzerlan d | 47.408 |
| Syria | 33.458 |
| Taiwan | 23.64485 |
| Tajikistan | 37.806 |
| Tanzania | -2.154 |
| Thailand | 13.77 |

| | |
|--------------------------------|-----------|
| Timor- Leste | -8.833333 |
| Togo | 6.194 |
| Tokelau | -9 |
| Tonga | -21.173 |
| Trinidad and Tobago | 10.418 |
| Tunisia | 36.816 |
| Turkey | 41.202 |
| Turkmenis tan | 39.12938 |
| Turks and Caicos Islands | 21.75 |
| Tuvalu | -8 |
| Uganda | 0.228 |
| Ukraine | 50.281 |
| United Arab Emirates | 23.39 |
| United Kingdom | 51.51 |
| United States | 34.36 |
| Uruguay | -34.822 |
| USSR | |
| Uzbekista n | 41.272 |
| Wallis et Futuna | -13.3 |
| Vanuatu | -15.233 |
| Venezuela | 9.843 |
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| Vietnam | 10.798 |
| Virgin Islands (U.S.) | 17.736 |
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| Yugoslavi a | |
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| Åland | 60 |

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| Afghanistan | 34.565 |
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| Barbados | 13.179 |
| Belarus | 53.54709 |
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| Bermuda | 32.217 |
| Bhutan | 27.479 |
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| Bosnia and Herzegovina | 44.17501 |
| Botswana | -21.536 |
| Brazil | -19.557 |
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| Canada | 43.727 |
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| Cayman Islands | 19.319 |
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| Colombia | 4.788 |
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| Congo, Rep. | -3.684 |
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| Dominican Rep. | 18.561 |
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| Faeroe Islands | 62 |
| Falkland Islands (Malvinas) | -51.75 |
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| Gabon | 0.372 |
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| Gibraltar | 36.133333 |
| Greece | 38.058 |
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| Grenada | 12.115 |
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| Guam | 13.44 |
| Guatemala | 14.622 |
| Guernsey | 49.4666667 |
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| Guinea-Bissau | 12.262 |
| Guyana | 5.761 |
| Haiti | 18.932 |
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| Kazakhstan | 44.308 |
| Kenya | -0.513 |
| Kiribati | 1.847 |
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| Kosovo | 42.5833333 |
| Kuwait | 29.326 |
| Kyrgyzstan | 41.4894 |
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| Latvia | 56.858 |
| Lebanon | 34.111 |
| Lesotho | -29.595 |
| Liberia | 6.385 |
| Libya | 32.607 |
| Liechtenstein | 47.141 |
| Lithuania | 55.318 |
| Luxembourg | 49.78 |
| Macao, China | 22.506 |
| Macedonia, FYR | 41.57381 |
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| Malawi | -15.811 |
| Malaysia | 3.269 |
| Maldives | 3.25 |

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| Malta | 35.887 |
| Marshall Islands | 9 |
| Martinique | 14.654 |
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| Moldova | 47.166 |
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| Mozambique | -18.499 |
| Myanmar | 17.679 |
| Namibia | -17.979 |
| Nauru | -0.5333333 |
| Nepal | 27.712 |
| Netherlands | 51.874 |
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| Oman | 20.445 |
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| Papua New Guinea | -6.6 |
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| Poland | 50.244 |
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| Reunion | -20.954 |
| Romania | 44.526 |
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| Rwanda | -2.032 |
| Saint Barthélemy | 17.9 |
| Saint Helena | -15.95 |
| Saint Kitts and Nevis | 17.327 |
| Saint Lucia | 13.898 |
| Saint Martin | 18.0833333 |
| Saint Vincent and the Grenadines | 13.254 |
| Saint-Pierre-et- Miquelon | 46.8333333 |
| Samoa | -13.633 |
| San Marino | 43.7666667 |
| Sao Tome and Principe | 1 |
| Saudi Arabia | 23.069 |
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| Tunisia | 36.816 |
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