



Planet Distance Chart

Calculate the scale value for each Solar System object using a scale factor of 10 centimeters per astronomical unit (AU). 1 AU is equal to about 150 million kilometers (93 million miles)!

| Object | AU | Scale Value (centimeters) | Bead Color |
|----------------------|-----------|----------------------------------|-------------------|
| Sun | 0.0 AU | | Yellow |
| Mercury | 0.4 AU | | Solid Red |
| Venus | 0.7 AU | | Cream |
| Earth | 1.0 AU | | Clear Blue |
| Mars | 1.5 AU | | Clear Red |
| Asteroid Belt | 2.8 AU | | Black |
| Jupiter | 5.2 AU | | Orange |
| Saturn | 9.6 AU | | Clear Gold |
| Uranus | 19.2 AU | | Dark Blue |
| Neptune | 30.0 AU | | Light Blue |
| Pluto (closest) | 29.7 AU | | Brown |
| Pluto (average) | 39.5 AU | | Brown |
| Pluto (most distant) | 49.3 AU | | Brown |