# Inches to Centimetres Conversion Chart

Fractional inches, whole inches and heights in centimetres

For: Sewing and crafts, DIY, students and anyone converting heights

**allunitconversions.com/in-to-cm-conversion-chart**
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| EXACT DEFINITION | FORMULA | REVERSE | WORKED EXAMPLE |
|---|---|---|---|
| 1 inch = 2.54 cm exactly | cm = in × 2.54 | in = cm ÷ 2.54 | 5 ft 10 in = 70 in × 2.54 = 177.8 cm |

Centimetres are rounded to 3 decimal places (fractions) or 2 decimal places.

## Fractional inches (1/16 in steps)

| Fraction (in) | Inches (in) | Centimetres (cm) | Fraction (in) | Inches (in) | Centimetres (cm) |
|---|---|---|---|---|---|
| 1/16 | 0.0625 | 0.159 | 9/16 | 0.5625 | 1.429 |
| 1/8 | 0.1250 | 0.318 | 5/8 | 0.6250 | 1.588 |
| 3/16 | 0.1875 | 0.476 | 11/16 | 0.6875 | 1.746 |
| 1/4 | 0.2500 | 0.635 | 3/4 | 0.7500 | 1.905 |
| 5/16 | 0.3125 | 0.794 | 13/16 | 0.8125 | 2.064 |
| 3/8 | 0.3750 | 0.952 | 7/8 | 0.8750 | 2.222 |
| 7/16 | 0.4375 | 1.111 | 15/16 | 0.9375 | 2.381 |
| 1/2 | 0.5000 | 1.270 | 1 | 1.0000 | 2.540 |

## 1 to 100 inches

| Inches (in) | Centimetres (cm) | Inches (in) | Centimetres (cm) | Inches (in) | Centimetres (cm) | Inches (in) | Centimetres (cm) |
|---|---|---|---|---|---|---|---|
| 1 | 2.54 | 26 | 66.04 | 51 | 129.54 | 76 | 193.04 |
| 2 | 5.08 | 27 | 68.58 | 52 | 132.08 | 77 | 195.58 |
| 3 | 7.62 | 28 | 71.12 | 53 | 134.62 | 78 | 198.12 |
| 4 | 10.16 | 29 | 73.66 | 54 | 137.16 | 79 | 200.66 |
| 5 | 12.70 | 30 | 76.20 | 55 | 139.70 | 80 | 203.20 |
| 6 | 15.24 | 31 | 78.74 | 56 | 142.24 | 81 | 205.74 |
| 7 | 17.78 | 32 | 81.28 | 57 | 144.78 | 82 | 208.28 |
| 8 | 20.32 | 33 | 83.82 | 58 | 147.32 | 83 | 210.82 |
| 9 | 22.86 | 34 | 86.36 | 59 | 149.86 | 84 | 213.36 |
| 10 | 25.40 | 35 | 88.90 | 60 | 152.40 | 85 | 215.90 |
| 11 | 27.94 | 36 | 91.44 | 61 | 154.94 | 86 | 218.44 |
| 12 | 30.48 | 37 | 93.98 | 62 | 157.48 | 87 | 220.98 |
| 13 | 33.02 | 38 | 96.52 | 63 | 160.02 | 88 | 223.52 |
| 14 | 35.56 | 39 | 99.06 | 64 | 162.56 | 89 | 226.06 |
| 15 | 38.10 | 40 | 101.60 | 65 | 165.10 | 90 | 228.60 |
| 16 | 40.64 | 41 | 104.14 | 66 | 167.64 | 91 | 231.14 |
| 17 | 43.18 | 42 | 106.68 | 67 | 170.18 | 92 | 233.68 |
| 18 | 45.72 | 43 | 109.22 | 68 | 172.72 | 93 | 236.22 |
| 19 | 48.26 | 44 | 111.76 | 69 | 175.26 | 94 | 238.76 |
| 20 | 50.80 | 45 | 114.30 | 70 | 177.80 | 95 | 241.30 |
| 21 | 53.34 | 46 | 116.84 | 71 | 180.34 | 96 | 243.84 |
| 22 | 55.88 | 47 | 119.38 | 72 | 182.88 | 97 | 246.38 |
| 23 | 58.42 | 48 | 121.92 | 73 | 185.42 | 98 | 248.92 |

| Inches (in) | Centimetres (cm) |
|---|---|
| **24** | 60.96 |
| **25** | 63.50 |

| Inches (in) | Centimetres (cm) |
|---|---|
| **49** | 124.46 |
| **50** | 127.00 |

| Inches (in) | Centimetres (cm) |
|---|---|
| **74** | 187.96 |
| **75** | 190.50 |

| Inches (in) | Centimetres (cm) |
|---|---|
| **99** | 251.46 |
| **100** | 254.00 |

## Height chart: feet and inches to centimetres

| Height | Centimetres (cm) | Metres (m) |
|---|---|---|
| **4′ 6″** | 137.2 | 1.37 |
| **4′ 7″** | 139.7 | 1.40 |
| **4′ 8″** | 142.2 | 1.42 |
| **4′ 9″** | 144.8 | 1.45 |
| **4′ 10″** | 147.3 | 1.47 |
| **4′ 11″** | 149.9 | 1.50 |
| **5′ 0″** | 152.4 | 1.52 |
| **5′ 1″** | 154.9 | 1.55 |
| **5′ 2″** | 157.5 | 1.57 |
| **5′ 3″** | 160.0 | 1.60 |
| **5′ 4″** | 162.6 | 1.63 |

| Height | Centimetres (cm) | Metres (m) |
|---|---|---|
| **5′ 5″** | 165.1 | 1.65 |
| **5′ 6″** | 167.6 | 1.68 |
| **5′ 7″** | 170.2 | 1.70 |
| **5′ 8″** | 172.7 | 1.73 |
| **5′ 9″** | 175.3 | 1.75 |
| **5′ 10″** | 177.8 | 1.78 |
| **5′ 11″** | 180.3 | 1.80 |
| **6′ 0″** | 182.9 | 1.83 |
| **6′ 1″** | 185.4 | 1.85 |
| **6′ 2″** | 188.0 | 1.88 |
| **6′ 3″** | 190.5 | 1.91 |

| Height | Centimetres (cm) | Metres (m) |
|---|---|---|
| **6′ 4″** | 193.0 | 1.93 |
| **6′ 5″** | 195.6 | 1.96 |
| **6′ 6″** | 198.1 | 1.98 |
| **6′ 7″** | 200.7 | 2.01 |
| **6′ 8″** | 203.2 | 2.03 |
| **6′ 9″** | 205.7 | 2.06 |
| **6′ 10″** | 208.3 | 2.08 |
| **6′ 11″** | 210.8 | 2.11 |
| **7′ 0″** | 213.4 | 2.13 |

## Sources and method

- **International Yard and Pound Agreement (1959)** — 1 in = 25.4 mm, 1 ft = 0.3048 m, 1 lb = 0.453 592 37 kg exactly
- **NIST Special Publication 811** — Guide for the Use of the International System of Units (www.nist.gov/pml/special-publication-811)

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