

Converting Colors

CIELCh(46, 66.747, 56.610)

Have a look what the booklet for
CIELCh(46, 66.747, 56.610) contains.

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Color

CIELCh(46, 66.923, 56.527)

Conversions

Conversions Part 1

Format	Color
Hex	B35000
RGB	179, 80, 0
RGB Percent	70%, 31%, 0%
CMY	0.2989, 0.6869, 1.0000
CMYK	0.00, 0.55, 1.00, 0.30
HSL	27°, 100%, 35%
HSV	27°, 100%, 70%
XYZ	21.3945, 15.2687, 1.8132
YIQ	100.4810, 84.6840, -3.8920

Conversions

Conversions Part 2

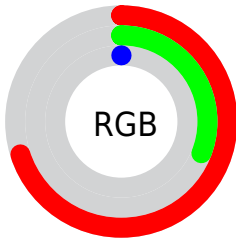
Format	Color
R _Y B	179, 145, 0
Decimal	11751424
CIE Lab	46.00, 36.91, 55.82
CIE LCh	46, 66.923, 56.527
Yxy	15.2687, 0.5560, 0.3968
Android (android.graphics.Color)	4289941504 (0xFFB35000)
YUV	100.4810, -49.5371, 68.8612
Hunter-Lab	39.0751, 29.3511, 24.6014

Details

The CIELCh color **46, 66.923, 56.527** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **41, 49.523, 278.173**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 66.799, 56.343**, and **26, 53.373, 45.467** is the 20% darker color. If you saturate the color by 10%, you get **46, 66.874, 56.500**, and if you desaturate by 10%, it is **48, 61.551, 58.633**.

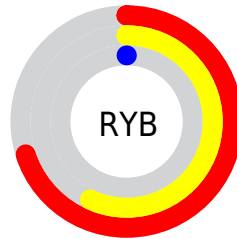
Distribution



Red (70%)

Green (31%)

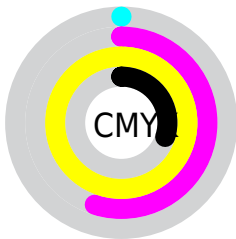
Blue (0%)



Red (70%)

Yellow (57%)

Blue (0%)

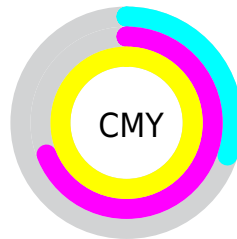


Cyan (0%)

Magenta (55%)

Yellow (100%)

Black (30%)



Cyan (30%)

Magenta (69%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 66.923, 56.527 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 46, 66.923, 56.527 by changing the saturation by 10% instead.

 46, 66.923, 56.527

 46, 66.923, 56.527

 100, 66.923,
56.527

 36, 66.923, 56.527

 66, 66.923, 56.527

 26, 66.923, 56.527

 76, 66.923, 56.527

 16, 66.923, 56.527

 86, 66.923, 56.527

 6, 66.923, 56.527

 96, 66.923, 56.527

 0, 66.923, 56.527

 46, 66.923, 56.527

 46, 66.923, 56.527

 46, 66.874, 56.500

 48, 61.551, 58.633

 50, 54.967, 60.326

■ 53, 47.521, 61.617

■ 55, 39.883, 62.749

■ 58, 32.394, 63.839

■ 61, 25.207, 64.929

■ 64, 18.378, 66.032

■ 67, 11.912, 67.142

■ 70, 5.793, 68.232

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



46, 66.923, 56.527



41, 49.523, 278.173

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46, 66.923, 56.527



46, 66.923, 106.527



46, 66.923, 236.527



46, 66.923, 286.527

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



46, 66.874, 56.500



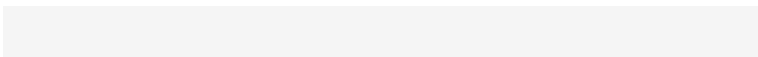
81, 22.750, 65.976



39, 66.083, 355.737



42, 15.833, 65.515



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46, 66.874, 56.500



59, 81.670, 55.810



67, 70.757, 98.436



36, 3.271, 68.304



39, 59.424, 57.001



4, 7.506, 57.312

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



41, 49.523, 278.173



53, 61.135, 279.058



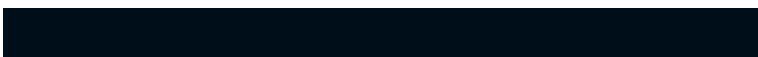
22, 99.448, 305.449



36, 3.176, 250.607



35, 43.665, 277.528



4, 8.403, 261.384

Previews

White Background



This preview shows how the CIELCh color 46, 66.923, 56.527 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 46, 66.923, 56.527 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 66.923, 56.527

Background



This preview shows how black text looks on a background with the CIELCh color 46, 66.923, 56.527.



This preview shows how white text looks on a background with the CIELCh color 46, 66.923, 56.527.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

46, 66.923, 56.527

Protanopia

46, 48.691, 95.259

Tritanopia

46, 47.943, 23.826

Trichromacy



Original Color
46, 66.923, 56.527

Protanomaly
45, 51.589, 77.374

Tritanomaly
46, 54.285, 41.518

Monochromacy



Original Color
46, 66.923, 56.527

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 24.937, 63.909

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 66.923, 56.527 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(179, 80, 0)` looks like.

```
.text, #text, p{  
    color:rgb(179, 80, 0)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(179, 80, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 80, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 66.923, 56.527 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(179, 80, 0) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(179, 80, 0) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(179, 80, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 80, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 80, 0);  
box-shadow:4px 4px 4px 4px rgb(179, 80, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 46, 66.923, 56.527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 80, 0) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(179, 80,  
0) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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