

Converting Colors

CIELCh(58, 66.659, 64.857)

Have a look what the booklet for
CIELCh(58, 66.659, 64.857) contains.

CIELCh(58, 66.522, 65.080)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(58, 66.522, 65.080)

Conversions

Conversions Part 1

Format	Color
Hex	CD7617
RGB	205, 118, 23
RGB Percent	80%, 46%, 9%
CMY	0.1965, 0.5376, 0.9103
CMYK	0.00, 0.42, 0.89, 0.20
HSL	31°, 80%, 45%
HSV	31°, 89%, 80%
XYZ	31.7685, 25.9610, 4.1409
YIQ	133.1830, 82.3470, -11.1010

Conversions

Conversions Part 2

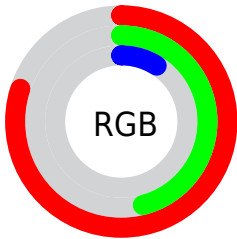
Format	Color
R _Y B	190, 205, 23
Decimal	13465111
CIE Lab	58.00, 28.03, 60.33
CIE LCh	58, 66.522, 65.080
Yxy	25.9610, 0.5135, 0.4196
Android (android.graphics.Color)	4291655191 (0xFFCD7617)
YUV	133.1830, -54.3202, 62.9835
Hunter-Lab	50.9519, 22.1289, 30.8478

Details

The CIELCh color **58, 66.522, 65.080** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **47, 57.077, 281.619**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **77, 62.588, 68.611**, and **38, 55.943, 59.725** is the 20% darker color. If you saturate the color by 10%, you get **56, 71.218, 62.455**, and if you desaturate by 10%, it is **60, 59.946, 67.099**.

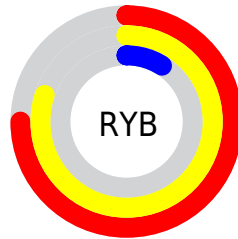
Distribution



Red (80%)

Green (46%)

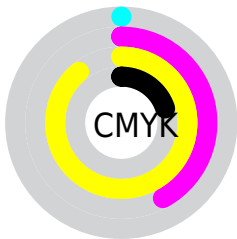
Blue (9%)



Red (75%)

Yellow (80%)

Blue (9%)

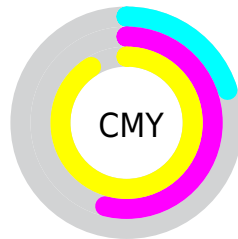


Cyan (0%)

Magenta (42%)

Yellow (89%)

Black (20%)



Cyan (20%)

Magenta (54%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 66.522, 65.080 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 58, 66.522, 65.080 by changing the saturation by 10% instead.

■ 58, 66.522, 65.080

■ 58, 66.522, 65.080

■ 100, 66.522,
65.080

■ 48, 66.522, 65.080

■ 78, 66.522, 65.080

■ 38, 66.522, 65.080

■ 88, 66.522, 65.080

■ 28, 66.522, 65.080

■ 98, 66.522, 65.080

■ 18, 66.522, 65.080

■ 8, 66.522, 65.080

■ 0, 66.522, 65.080

■ 58, 66.522, 65.080

■ 58, 66.522, 65.080

■ 56, 71.218, 62.455

■ 60, 59.946, 67.099

■ 56, 71.756, 62.163

■ 63, 52.215, 68.718

65, 44.073, 70.152

68, 35.932, 71.507

71, 27.993, 72.827

74, 20.340, 74.125

77, 12.999, 75.400

80, 5.965, 76.630

83, 0.782, 258.378

Harmonies

Complementary

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



58, 66.522, 65.080



47, 57.077, 281.619

Rectangle

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



58, 66.522, 65.080



58, 66.522, 115.080



58, 66.522, 245.080



58, 66.522, 295.080

Sweetspot

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



58, 66.520, 65.083



90, 22.676, 74.317



45, 69.949, 359.425



47, 15.395, 73.871



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



58, 66.520, 65.083



68, 84.815, 61.645



80, 79.619, 104.020



41, 3.822, 76.563



45, 61.135, 62.774



8, 14.366, 60.723

Inverse Universe

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



47, 57.077, 281.619



53, 77.012, 287.096



27, 107.162, 305.345



41, 3.752, 259.069



35, 54.215, 285.783



5, 15.565, 273.075

Previews

White Background



This preview shows how the CIELCh color 58, 66.522, 65.080 looks on a white 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

Black Background



This preview shows how the CIELCh color 58, 66.522, 65.080 looks on a black 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

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

CIELCh 58, 66.522, 65.080

Background



This preview shows how black text looks on a background with the CIELCh color 58, 66.522, 65.080.



This preview shows how white text looks on a background with the CIELCh color 58, 66.522, 65.080.

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

58, 66.522, 65.080

Protanopia

58, 56.570, 95.416

Deuteranopia

58, 62.983, 83.469



Tritanopia
58, 41.877, 18.667

Trichromacy



Original Color
58, 66.522, 65.080

Protanomaly
58, 57.657, 83.248

Deuteranomaly
58, 63.562, 76.769

Tritanomaly
58, 47.908, 43.719

Monochromacy



Original Color
58, 66.522, 65.080

Achromatopsia
56, 0.007, 296.813

Achromatomaly
56, 24.530, 73.387

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 66.522, 65.080 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(205, 118, 23)` looks like.

```
.text, #text, p{  
    color:rgb(205, 118, 23)  
}
```

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(205, 118, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 118, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 66.522, 65.080 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(205, 118, 23) }
```

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

```
.border{ border-color:rgb(205, 118, 23) }
```

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

Here you see how a box with a 4 pixel rgb(205, 118, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 118, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 118, 23);  
box-shadow:4px 4px 4px 4px rgb(205, 118,  
23) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 66.522, 65.080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 118, 23) }
```

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

```
.background{ background-color: rgb(205,  
118, 23) }
```

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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