

Converting Colors

CIELCh(60, 81.127, 57.123)

Have a look what the booklet for
CIELCh(60, 81.127, 57.123) contains.

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Color

CIELCh(60, 81.085, 57.008)

Conversions

Conversions Part 1	
Format	Color
Hex	E96C01
RGB	233, 108, 1
RGB Percent	91%, 42%, 0%
CMY	0.0855, 0.5758, 0.9948
CMYK	0.00, 0.54, 0.99, 0.09
HSL	28°, 99%, 46%
HSV	28°, 99%, 91%
XYZ	39.0609, 28.1233, 3.4072
YIQ	133.1770, 108.8470, -6.7770

Conversions

Conversions Part 2

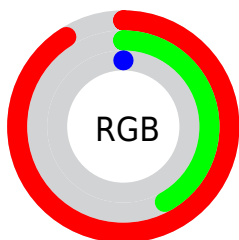
Format	Color
RYB	233, 200, 1
Decimal	15297537
CIELab	60.00, 44.15, 68.01
CIELCh	60, 81.085, 57.008
Yxy	28.1233, 0.5533, 0.3984
Android (android.graphics.Color)	4293487617 (0xFFE96C01)
YUV	133.1770, -65.1633, 87.5448
Hunter-Lab	53.0314, 38.6711, 33.3127

Details

The CIELCh color **60, 81.085, 57.008** 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 **53, 62.881, 280.452**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 66.617, 66.092**, and **40, 68.137, 49.258** is the 20% darker color. If you saturate the color by 10%, you get **60, 81.392, 56.873**, and if you desaturate by 10%, it is **63, 75.396, 59.586**.

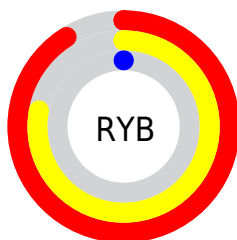
Distribution



Red (91%)

Green (42%)

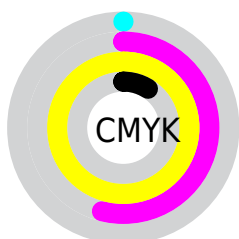
Blue (0%)



Red (91%)

Yellow (78%)

Blue (0%)

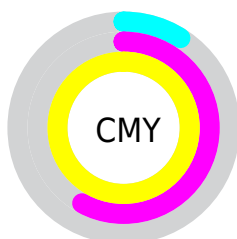


Cyan (0%)

Magenta (54%)

Yellow (99%)

Black (9%)



Cyan (9%)

Magenta (58%)

Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 81.085, 57.008 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 60, 81.085, 57.008 by changing the saturation by 10% instead.

 60, 81.085, 57.008

 60, 81.085, 57.008

 100, 81.085,
57.008

 50, 81.085, 57.008

 80, 81.085, 57.008

 40, 81.085, 57.008

 90, 81.085, 57.008

 30, 81.085, 57.008

 20, 81.085, 57.008

 10, 81.085, 57.008

 0, 81.085, 57.008

 60, 81.085, 57.008

 60, 81.085, 57.008

 60, 81.392, 56.873

 63, 75.396, 59.586

 65, 67.558, 61.447

 68, 58.499, 62.859

 71, 49.111, 64.087

 75, 39.860, 65.258

 78, 30.957, 66.421

 82, 22.480, 67.588

 85, 14.443, 68.755

 89, 6.825, 69.897

Harmonies

Complementary

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



60, 81.085, 57.008



53, 62.881, 280.452

Rectangle

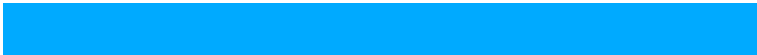
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



60, 81.085, 57.008



60, 81.085, 107.008



60, 81.085, 237.008



60, 81.085, 287.008

Sweetspot

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



60, 81.082, 57.010



88, 24.681, 67.505



51, 79.951, 357.745



45, 17.036, 67.010



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



60, 81.082, 57.010



65, 87.196, 56.673



87, 87.193, 99.560



47, 4.129, 69.893



47, 67.052, 57.540



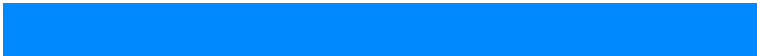
12, 22.233, 56.761

Inverse Universe

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



53, 62.881, 280.452



57, 67.965, 280.958



30, 122.767, 305.794



47, 4.014, 252.314



41, 51.514, 279.872



10, 19.234, 271.355

Previews

White Background



This preview shows how the CIELCh color 60, 81.085, 57.008 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 60, 81.085, 57.008 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 60, 81.085, 57.008

Background



This preview shows how black text looks on a background with the CIELCh color 60, 81.085, 57.008.



This preview shows how white text looks on a background with the CIELCh color 60, 81.085, 57.008.

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

60, 81.085, 57.008

Protanopia

60, 60.961, 95.305

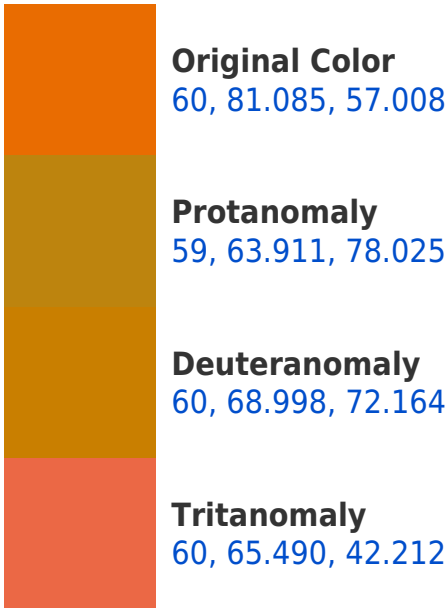
Deuteranopia

60, 65.433, 83.803



Tritanopia
60, 57.512, 23.743

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIElCh 60, 81.085, 57.008 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(233, 108, 1)` looks like.

```
.text, #text, p{  
    color:rgb(233, 108, 1)  
}
```

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(233, 108, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 108, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 81.085, 57.008 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(233, 108, 1) }
```

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

```
.border{ border-color:rgb(233, 108, 1) }
```

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

Here you see how a box with a 4 pixel rgb(233, 108, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 108, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 108, 1);  
box-shadow:4px 4px 4px 4px rgb(233, 108,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 81.085, 57.008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 108, 1) }
```

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

```
.background{ background-color: rgb(233,  
108, 1) }
```

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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