

Converting Colors

CIELCh(57, 66.225, 66.420)

Have a look what the booklet for
CIELCh(57, 66.225, 66.420) contains.

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Color

CIELCh(57, 66.341, 66.609)

Conversions

Conversions Part 1

Format	Color
Hex	C87511
RGB	200, 117, 17
RGB Percent	78%, 46%, 7%
CMY	0.2171, 0.5423, 0.9351
CMYK	0.00, 0.42, 0.92, 0.22
HSL	33°, 85%, 42%
HSV	33°, 92%, 78%
XYZ	30.1484, 24.9227, 3.7331
YIQ	130.4170, 81.5680, -13.5040

Conversions

Conversions Part 2

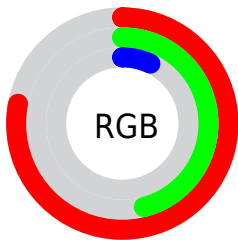
Format	Color
R_{YB}	169, 200, 17
Decimal	13137169
CIE _{Lab}	57.00, 26.34, 60.89
CIE _{LCh}	57, 66.341, 66.609
Yxy	24.9227, 0.5127, 0.4238
Android (android.graphics.Color)	4291327249 (0xFFC87511)
YUV	130.4170, -55.9146, 61.0243
Hunter-Lab	49.9226, 20.4320, 30.5122

Details

The CIELCh color **57, 66.341, 66.609** 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 **43, 60.471, 285.117**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 64.106, 68.833**, and **37, 54.629, 60.351** is the 20% darker color. If you saturate the color by 10%, you get **55, 69.761, 64.395**, and if you desaturate by 10%, it is **59, 60.661, 68.834**.

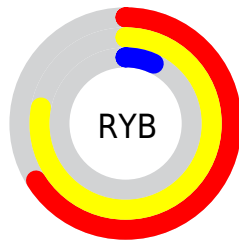
Distribution



Red (78%)

Green (46%)

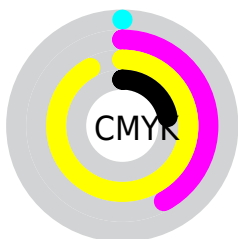
Blue (7%)



Red (66%)

Yellow (78%)

Blue (7%)

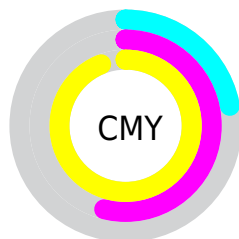


Cyan (0%)

Magenta (42%)

Yellow (92%)

Black (22%)



Cyan (22%)

Magenta (54%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 66.341, 66.609 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 57, 66.341, 66.609 by changing the saturation by 10% instead.

■ 57, 66.341, 66.609

■ 57, 66.341, 66.609

■ 100, 66.341,
66.609

■ 47, 66.341, 66.609

■ 77, 66.341, 66.609

■ 37, 66.341, 66.609

■ 87, 66.341, 66.609

■ 27, 66.341, 66.609

■ 97, 66.341, 66.609

■ 17, 66.341, 66.609

■ 7, 66.341, 66.609

■ 0, 66.341, 66.609

■ 57, 66.341, 66.609

■ 57, 66.341, 66.609

■ 55, 69.761, 64.395

■ 59, 60.661, 68.834

■ 61, 53.522, 70.592

64, 45.737, 72.120

66, 37.799, 73.541

69, 29.965, 74.911

72, 22.353, 76.249

74, 15.008, 77.559

77, 7.939, 78.829

80, 1.133, 79.835

Harmonies

Complementary

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



57, 66.341, 66.609



43, 60.471, 285.117

Rectangle

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



57, 66.341, 66.609



57, 66.341, 116.609



57, 66.341, 246.609



57, 66.341, 296.609

Sweetspot

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



57, 66.339, 66.612



90, 23.918, 76.686



44, 68.943, 1.933



47, 16.654, 76.107



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



57, 66.339, 66.612



69, 84.054, 63.820



78, 78.939, 104.940



41, 3.814, 79.115



46, 59.949, 64.975



8, 13.044, 63.372

Inverse Universe

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



43, 60.471, 285.117



51, 80.867, 289.243



26, 106.891, 305.724



40, 3.758, 261.633



33, 56.177, 287.922



5, 14.783, 274.025

Previews

White Background



This preview shows how the CIELCh color 57, 66.341, 66.609 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 57, 66.341, 66.609 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 57, 66.341, 66.609

Background



This preview shows how black text looks on a background with the CIELCh color 57, 66.341, 66.609.



This preview shows how white text looks on a background with the CIELCh color 57, 66.341, 66.609.

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

57, 66.341, 66.609

Protanopia

57, 57.562, 95.338

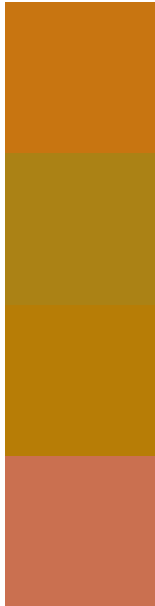
Deuteranopia

57, 62.911, 83.253



Tritanopia
57, 40.341, 19.021

Trichromacy



Original Color
57, 66.341, 66.609

Protanomaly
57, 58.437, 83.746

Deuteranomaly
57, 63.427, 76.933

Tritanomaly
57, 46.533, 45.596

Monochromacy



Original Color
57, 66.341, 66.609

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 24.872, 74.744

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 66.341, 66.609 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(200, 117, 17)` looks like.

```
.text, #text, p{  
    color:rgb(200, 117, 17)  
}
```

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(200, 117, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 117, 17) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 66.341, 66.609 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(200, 117, 17) }
```

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

```
.border{ border-color:rgb(200, 117, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 117, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 117, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 117, 17);  
box-shadow:4px 4px 4px 4px rgb(200, 117,  
17) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 66.341, 66.609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 117, 17) }
```

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

```
.background{ background-color: rgb(200,  
117, 17) }
```

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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