

Converting Colors

CIELCh(55, 68.868, 65.070)

Have a look what the booklet for
CIELCh(55, 68.868, 65.070) contains.

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Color

CIELCh(55, 68.762, 64.906)

Conversions

Conversions Part 1

Format	Color
Hex	C56D02
RGB	197, 109, 2
RGB Percent	77%, 43%, 1%
CMY	0.2260, 0.5713, 0.9939
CMYK	0.00, 0.45, 0.99, 0.23
HSL	33°, 98%, 39%
HSV	33°, 99%, 77%
XYZ	28.6370, 22.9298, 2.9608
YIQ	123.1140, 86.7950, -14.6210

Conversions

Conversions Part 2

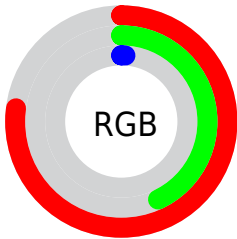
Format	Color
RYB	162, 197, 2
Decimal	12938498
CIELab	55.00, 29.16, 62.27
CIELCh	55, 68.762, 64.906
Yxy	22.9298, 0.5252, 0.4205
Android (android.graphics.Color)	4291128578 (0xFFC56D02)
YUV	123.1140, -59.7092, 64.7980
Hunter-Lab	47.8851, 22.9505, 29.8536

Details

The CIELCh color **55, 68.762, 64.906** 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 **40, 65.492, 288.520**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **74, 66.989, 65.786**, and **35, 54.907, 56.771** is the 20% darker color. If you saturate the color by 10%, you get **55, 69.094, 64.714**, and if you desaturate by 10%, it is **57, 64.500, 67.535**.

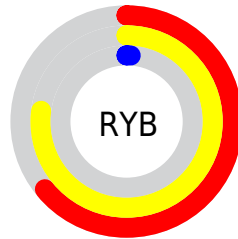
Distribution



Red (77%)

Green (43%)

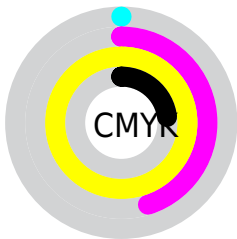
Blue (1%)



Red (64%)

Yellow (77%)

Blue (1%)

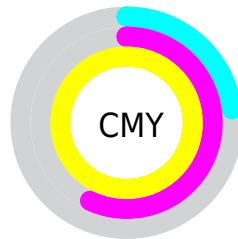


Cyan (0%)

Magenta (45%)

Yellow (99%)

Black (23%)



Cyan (23%)

Magenta (57%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 68.762, 64.906 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 55, 68.762, 64.906 by changing the saturation by 10% instead.

■ 55, 68.762, 64.906

■ 55, 68.762, 64.906

■ 100, 68.762,
64.906

■ 45, 68.762, 64.906

■ 75, 68.762, 64.906

■ 35, 68.762, 64.906

■ 85, 68.762, 64.906

■ 25, 68.762, 64.906

■ 95, 68.762, 64.906

■ 15, 68.762, 64.906

■ 5, 68.762, 64.906

■ 0, 68.762, 64.906

■ 55, 68.762, 64.906

■ 55, 68.762, 64.906

■ 55, 69.094, 64.714

■ 57, 64.500, 67.535

■ 59, 58.446, 69.612

62, 51.169, 71.299

64, 43.395, 72.796

66, 35.545, 74.205

69, 27.830, 75.570

72, 20.345, 76.904

74, 13.126, 78.207

77, 6.174, 79.462

Harmonies

Complementary

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



55, 68.762, 64.906



40, 65.492, 288.520

Rectangle

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



55, 68.762, 64.906



55, 68.762, 114.906



55, 68.762, 244.906



55, 68.762, 294.906

Sweetspot

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



55, 68.760, 64.908



90, 25.780, 76.740



42, 69.477, 6.705



46, 17.732, 76.171



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



55, 68.760, 64.908



70, 83.964, 64.111



77, 79.916, 105.946



41, 3.824, 79.442



46, 59.894, 65.262



8, 13.055, 63.797

Inverse Universe

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



40, 65.492, 288.520



51, 81.378, 289.511



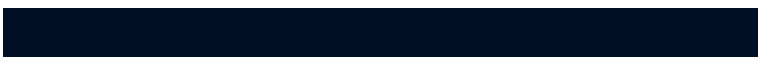
24, 109.720, 306.358



40, 3.769, 261.961



33, 56.529, 288.197



4, 14.836, 274.259

Previews

White Background



This preview shows how the CIELCh color 55, 68.762, 64.906 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 55, 68.762, 64.906 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 55, 68.762, 64.906

Background



This preview shows how black text looks on a background with the CIELCh color 55, 68.762, 64.906.



This preview shows how white text looks on a background with the CIELCh color 55, 68.762, 64.906.

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

55, 68.593, 64.829

Protanopia

55, 57.418, 95.565

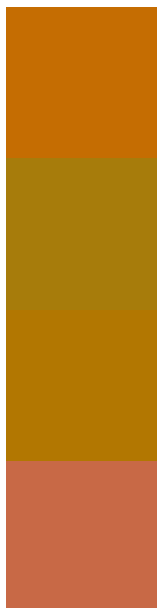
Deuteranopia

55, 61.071, 83.449



Tritanopia
55, 42.429, 19.795

Trichromacy



Original Color
55, 68.593, 64.829

Protanomaly
55, 59.038, 82.514

Deuteranomaly
55, 62.855, 75.850

Tritanomaly
55, 50.306, 46.266

Monochromacy



Original Color
55, 68.593, 64.829

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 27.187, 74.499

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 68.762, 64.906 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(197, 109, 2)` looks like.

```
.text, #text, p{  
    color:rgb(197, 109, 2)  
}
```

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(197, 109, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 109, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 68.762, 64.906 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(197, 109, 2) }
```

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

```
.border{ border-color:rgb(197, 109, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 109, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 109, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 109, 2);  
box-shadow:4px 4px 4px 4px rgb(197, 109,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 68.762, 64.906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 109, 2) }
```

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

```
.background{ background-color: rgb(197,  
109, 2) }
```

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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