

Converting Colors

CIELCh(52, 70.941, 58.301)

Have a look what the booklet for
CIELCh(52, 70.941, 58.301) contains.

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Color

CIELCh(52, 70.795, 58.567)

Conversions

Conversions Part 1

Format	Color
Hex	C65F02
RGB	198, 95, 2
RGB Percent	78%, 37%, 1%
CMY	0.2242, 0.6280, 0.9930
CMYK	0.00, 0.52, 0.99, 0.22
HSL	28°, 98%, 39%
HSV	28°, 99%, 78%
XYZ	27.3314, 20.1443, 2.4988
YIQ	115.1950, 91.2410, -7.0870

Conversions

Conversions Part 2

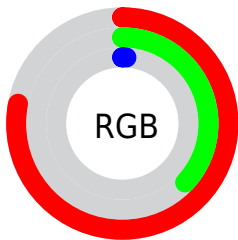
Format	Color
R_{YB}	198, 179, 2
Decimal	13000450
CIE Lab	52.00, 36.92, 60.41
CIE LCh	52, 70.795, 58.567
Yxy	20.1443, 0.5469, 0.4031
Android (android.graphics.Color)	4291190530 (0xFFC65F02)
YUV	115.1950, -55.8051, 72.6200
Hunter-Lab	44.8824, 30.1542, 28.1168

Details

The CIELCh color **52, 70.795, 58.567** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed red. A complement of this color would be **44, 56.442, 281.325**, and the grayscale version is **49, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 68.644, 59.744**, and **32, 58.023, 49.649** is the 20% darker color. If you saturate the color by 10%, you get **52, 71.266, 58.371**, and if you desaturate by 10%, it is **54, 65.587, 61.011**.

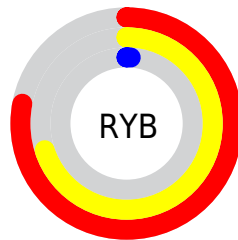
Distribution



Red (78%)

Green (37%)

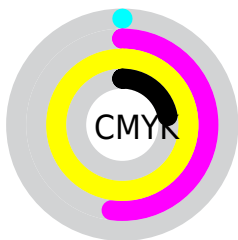
Blue (1%)



Red (78%)

Yellow (70%)

Blue (1%)

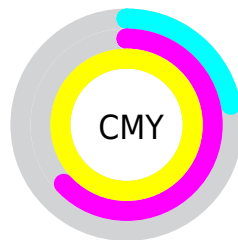


Cyan (0%)

Magenta (52%)

Yellow (99%)

Black (22%)



Cyan (22%)

Magenta (63%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 70.795, 58.567 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 52, 70.795, 58.567 by changing the saturation by 10% instead.

■ 52, 70.795, 58.567

■ 52, 70.795, 58.567

■ 100, 70.795,
58.567

■ 42, 70.795, 58.567

■ 72, 70.795, 58.567

■ 32, 70.795, 58.567

■ 82, 70.795, 58.567

■ 22, 70.795, 58.567

■ 92, 70.795, 58.567

■ 12, 70.795, 58.567

■ 2, 70.795, 58.567

■ 0, 70.795, 58.567

■ 52, 70.795, 58.567

■ 52, 70.795, 58.567

■ 52, 71.266, 58.371

■ 54, 65.587, 61.011

■ 57, 58.699, 62.852

■ 59, 50.824, 64.290

■ 62, 42.682, 65.558

■ 65, 34.652, 66.769

■ 68, 26.907, 67.966

■ 71, 19.512, 69.161

■ 74, 12.480, 70.349

■ 77, 5.795, 71.505

Harmonies

Complementary

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



52, 70.795, 58.567



44, 56.442, 281.325

Rectangle

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



52, 70.795, 58.567



52, 70.795, 108.567



52, 70.795, 238.567



52, 70.795, 288.567

Sweetspot

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



52, 70.793, 58.569



88, 24.808, 68.999



43, 70.363, 358.746



46, 17.115, 68.488



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



52, 70.793, 58.569



66, 86.598, 57.754



76, 77.928, 100.732



40, 3.631, 71.473



43, 61.580, 58.947



7, 12.955, 54.484

Inverse Universe

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



44, 56.442, 281.325



56, 69.960, 282.474



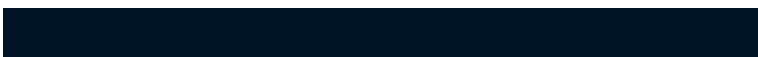
25, 108.642, 305.849



40, 3.539, 253.889



36, 48.716, 281.007



5, 13.615, 268.023

Previews

White Background



This preview shows how the CIELCh color 52, 70.795, 58.567 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 52, 70.795, 58.567 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 52, 70.795, 58.567

Background



This preview shows how black text looks on a background with the CIELCh color 52, 70.795, 58.567.



This preview shows how white text looks on a background with the CIELCh color 52, 70.795, 58.567.

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

52, 70.795, 58.567

Protanopia

52, 54.106, 95.116

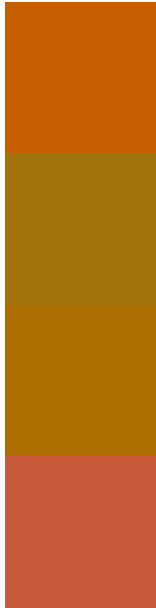
Deuteranopia

52, 58.437, 83.838



Tritanopia
52, 49.334, 22.721

Trichromacy



Original Color
52, 70.795, 58.567

Protanomaly
52, 56.786, 78.776

Deuteranomaly
52, 61.225, 73.194

Tritanomaly
52, 56.604, 42.339

Monochromacy



Original Color
52, 70.795, 58.567

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 26.766, 67.336

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 70.795, 58.567 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(198, 95, 2)` looks like.

```
.text, #text, p{  
    color:rgb(198, 95, 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(198, 95, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 95, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 70.795, 58.567 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(198, 95, 2) }
```

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

```
.border{ border-color:rgb(198, 95, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 95, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 95, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 95, 2);  
box-shadow:4px 4px 4px 4px rgb(198, 95, 2)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 52, 70.795, 58.567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 95, 2) }
```

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

```
.background{ background-color: rgb(198, 95,  
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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