

Converting Colors

CIELCh(52, 66.786, 56.650)

Have a look what the booklet for
CIELCh(52, 66.786, 56.650) contains.

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Color

CIELCh(52, 66.786, 56.586)

Conversions

Conversions Part 1

Format	Color
Hex	C55F15
RGB	197, 95, 21
RGB Percent	77%, 37%, 8%
CMY	0.2270, 0.6270, 0.9172
CMYK	0.00, 0.52, 0.89, 0.23
HSL	25°, 81%, 43%
HSV	25°, 89%, 77%
XYZ	27.2962, 20.1443, 3.1650
YIQ	117.0620, 84.5460, -1.3900

Conversions

Conversions Part 2

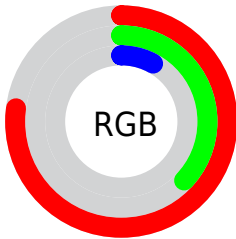
Format	Color
R_{YB}	197, 149, 21
Decimal	12934933
CIE _{Lab}	52.00, 36.78, 55.75
CIE _{LCh}	52, 66.786, 56.586
Yxy	20.1443, 0.5394, 0.3981
Android (android.graphics.Color)	4291125013 (0xFFC55F15)
YUV	117.0620, -47.3586, 70.1056
Hunter-Lab	44.8824, 30.0143, 27.2367

Details

The CIELCh color **52, 66.786, 56.586** 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 **50, 46.036, 270.117**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 65.077, 57.436**, and **32, 57.613, 49.796** is the 20% darker color. If you saturate the color by 10%, you get **50, 72.611, 54.469**, and if you desaturate by 10%, it is **55, 59.358, 58.113**.

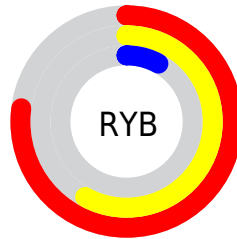
Distribution



Red (77%)

Green (37%)

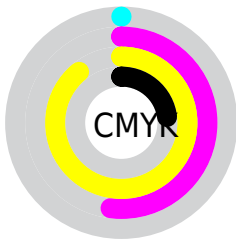
Blue (8%)



Red (77%)

Yellow (58%)

Blue (8%)

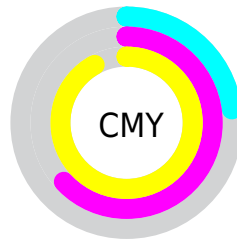


Cyan (0%)

Magenta (52%)

Yellow (89%)

Black (23%)



Cyan (23%)

Magenta (63%)

Yellow (92%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 66.786, 56.586 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, 66.786, 56.586 by changing the saturation by 10% instead.

 52, 66.786, 56.586

 52, 66.786, 56.586

 100, 66.786,
56.586

 42, 66.786, 56.586

 72, 66.786, 56.586

 32, 66.786, 56.586

 82, 66.786, 56.586

 22, 66.786, 56.586

 92, 66.786, 56.586

 12, 66.786, 56.586

 2, 66.786, 56.586

 0, 66.786, 56.586

 52, 66.786, 56.586

 52, 66.786, 56.586

 50, 72.611, 54.469

 55, 59.358, 58.113

 50, 73.035, 54.342

 57, 51.075, 59.244

60, 42.660, 60.238

63, 34.468, 61.209

66, 26.653, 62.200

70, 19.266, 63.218

73, 12.306, 64.254

76, 5.750, 65.278

80, 0.438, 247.386

Harmonies

Complementary

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



52, 66.786, 56.586



50, 46.036, 270.117

Rectangle

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



52, 66.786, 56.586



52, 66.786, 106.586



52, 66.786, 236.586



52, 66.786, 286.586

Sweetspot

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



52, 66.784, 56.589



89, 21.767, 63.411



44, 70.434, 351.321



46, 14.824, 63.054



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, 66.784, 56.589



63, 89.075, 53.732



73, 72.982, 97.924



40, 3.539, 65.267



41, 63.223, 54.897



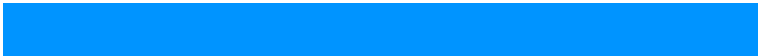
6, 13.055, 48.558

Inverse Universe

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



50, 46.036, 270.117



60, 62.462, 276.127



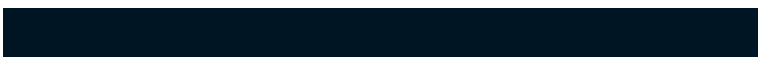
28, 98.268, 303.572



40, 3.422, 247.500



39, 43.629, 274.563



6, 12.776, 262.259

Previews

White Background



This preview shows how the CIELCh color 52, 66.786, 56.586 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, 66.786, 56.586 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, 66.786, 56.586

Background



This preview shows how black text looks on a background with the CIELCh color 52, 66.786, 56.586.



This preview shows how white text looks on a background with the CIELCh color 52, 66.786, 56.586.

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, 66.786, 56.586

Protanopia

52, 50.706, 95.567

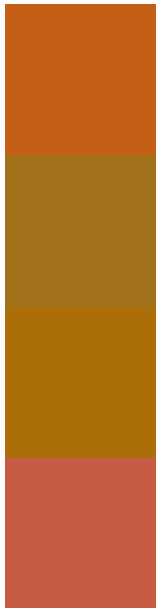
Deuteranopia

52, 58.619, 83.399



Tritanopia
52, 48.426, 22.466

Trichromacy



Original Color
52, 66.786, 56.586

Protanomaly
51, 52.852, 78.060

Deuteranomaly
52, 59.920, 72.716

Tritanomaly
52, 53.476, 39.235

Monochromacy



Original Color
52, 66.786, 56.586

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 23.543, 62.003

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 66.786, 56.586 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, 95, 21)` looks like.

```
.text, #text, p{  
    color:rgb(197, 95, 21)  
}
```

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, 95, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 95, 21) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 66.786, 56.586 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, 95, 21) }
```

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

```
.border{ border-color:rgb(197, 95, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 95, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 95, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 95, 21);  
box-shadow:4px 4px 4px 4px rgb(197, 95,  
21) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 66.786, 56.586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 95, 21) }
```

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

```
.background{ background-color: rgb(197, 95,  
21) }
```

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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