

Converting Colors

CIELCh(50, 68.065, 53.297)

Have a look what the booklet for
CIELCh(50, 68.065, 53.297) contains.

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Color

CIELCh(50, 68.154, 53.141)

Conversions

Conversions Part 1

Format	Color
Hex	C45614
RGB	196, 86, 20
RGB Percent	77%, 34%, 8%
CMY	0.2317, 0.6630, 0.9219
CMYK	0.00, 0.56, 0.90, 0.23
HSL	23°, 82%, 42%
HSV	23°, 90%, 77%
XYZ	26.1903, 18.4187, 2.8327
YIQ	111.3660, 86.7460, 2.7940

Conversions

Conversions Part 2

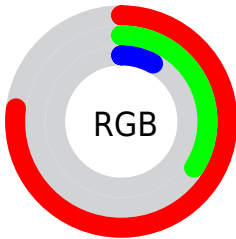
Format	Color
RYB	196, 126, 20
Decimal	12867092
CIELab	50.00, 40.88, 54.53
CIElCh	50, 68.154, 53.141
Yxy	18.4187, 0.5521, 0.3882
Android (android.graphics.Color)	4291057172 (0xFFC45614)
YUV	111.3660, -45.0434, 74.2240
Hunter-Lab	42.9170, 33.8258, 26.1285

Details

The CIELCh color **50, 68.154, 53.141** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark washed red. A complement of this color would be **52, 42.510, 263.941**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 66.717, 53.688**, and **30, 59.441, 45.723** is the 20% darker color. If you saturate the color by 10%, you get **48, 74.399, 51.412**, and if you desaturate by 10%, it is **53, 60.382, 54.335**.

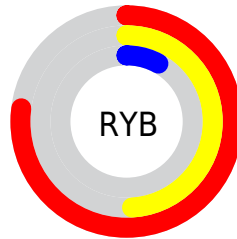
Distribution



Red (77%)

Green (34%)

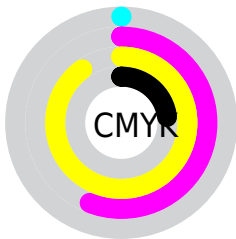
Blue (8%)



Red (77%)

Yellow (49%)

Blue (8%)

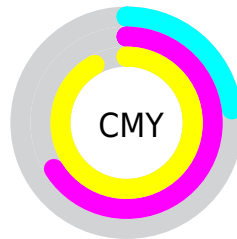


Cyan (0%)

Magenta (56%)

Yellow (90%)

Black (23%)



Cyan (23%)

Magenta (66%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 68.154, 53.141 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 50, 68.154, 53.141 by changing the saturation by 10% instead.

■ 50, 68.154, 53.141

■ 50, 68.154, 53.141

■ 100, 68.154,
53.141

■ 40, 68.154, 53.141

■ 70, 68.154, 53.141

■ 30, 68.154, 53.141

■ 80, 68.154, 53.141

■ 20, 68.154, 53.141

■ 90, 68.154, 53.141

■ 10, 68.154, 53.141

■ 0, 68.154, 53.141

■ 50, 68.154, 53.141

■ 50, 68.154, 53.141

■ 48, 74.399, 51.412

■ 53, 60.382, 54.335

■ 48, 74.506, 51.391

■ 55, 51.802, 55.141

■ 58, 43.158, 55.839

62, 34.806, 56.550

65, 26.893, 57.313

68, 19.461, 58.133

72, 12.505, 58.997

76, 5.997, 59.870

79, 0.105, 245.222

Harmonies

Complementary

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



50, 68.154, 53.141



52, 42.510, 263.941

Rectangle

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



50, 68.154, 53.141



50, 68.154, 103.141



50, 68.154, 233.141



50, 68.154, 283.141

Sweetspot

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



50, 68.152, 53.143



88, 21.636, 58.338



44, 71.975, 347.698



45, 14.753, 58.044



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



50, 68.152, 53.143



61, 91.353, 50.796



70, 70.483, 94.404



39, 3.422, 59.910



39, 63.993, 51.954



5, 11.608, 45.366

Inverse Universe

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



52, 42.510, 263.941



63, 56.896, 269.863



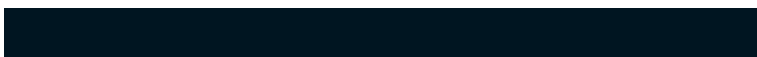
29, 93.735, 302.271



39, 3.287, 241.907



41, 39.384, 268.169



6, 11.237, 256.193

Previews

White Background



This preview shows how the CIELCh color 50, 68.154, 53.141 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 50, 68.154, 53.141 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 50, 68.154, 53.141

Background



This preview shows how black text looks on a background with the CIELCh color 50, 68.154, 53.141.



This preview shows how white text looks on a background with the CIELCh color 50, 68.154, 53.141.

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

50, 68.154, 53.141

Protanopia

50, 48.656, 95.812

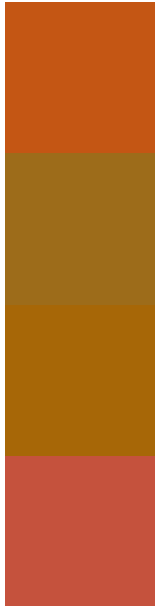
Deuteranopia

50, 56.747, 83.620



Tritanopia
50, 52.150, 24.365

Trichromacy



Original Color
50, 68.154, 53.141

Protanomaly
49, 51.304, 75.876

Deuteranomaly
49, 58.772, 70.646

Tritanomaly
50, 56.848, 38.241

Monochromacy



Original Color
50, 68.154, 53.141

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 23.737, 56.980

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 68.154, 53.141 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(196, 86, 20)` looks like.

```
.text, #text, p{  
    color:rgb(196, 86, 20)  
}
```

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(196, 86, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 86, 20) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 68.154, 53.141 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(196, 86, 20) }
```

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

```
.border{ border-color:rgb(196, 86, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 86, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 86, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 86, 20);  
box-shadow:4px 4px 4px 4px rgb(196, 86,  
20) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 68.154, 53.141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 86, 20) }
```

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

```
.background{ background-color: rgb(196, 86,  
20) }
```

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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