

Converting Colors

CIELCh(58, 85.025, 52.701)

Have a look what the booklet for
CIELCh(58, 85.025, 52.701) contains.

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Color

CIELCh(58, 84.718, 52.695)

Conversions

Conversions Part 1

Format	Color
Hex	EC5F00
RGB	236, 95, 0
RGB Percent	93%, 37%, 0%
CMY	0.0752, 0.6280, 1.0000
CMYK	0.00, 0.60, 1.00, 0.08
HSL	24°, 100%, 46%
HSV	24°, 100%, 92%
XYZ	38.6121, 25.9610, 2.9693
YIQ	126.3290, 114.5310, 0.3470

Conversions

Conversions Part 2

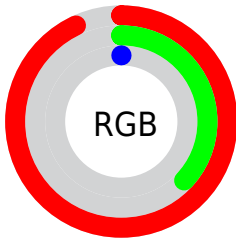
Format	Color
R_{YB}	236, 159, 0
Decimal	15490816
CIE _{Lab}	58.00, 51.34, 67.39
CIE _{LCh}	58, 84.718, 52.695
Yxy	25.9610, 0.5717, 0.3844
Android (android.graphics.Color)	4293680896 (0xFFEC5F00)
YUV	126.3290, -62.2802, 96.1815
Hunter-Lab	50.9519, 46.1039, 32.2111

Details

The CIELCh color **58, 84.718, 52.695** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed red. A complement of this color would be **57, 56.501, 273.506**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 67.799, 60.250**, and **38, 72.876, 44.528** is the 20% darker color. If you saturate the color by 10%, you get **58, 84.682, 52.679**, and if you desaturate by 10%, it is **61, 78.286, 54.903**.

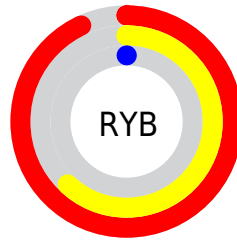
Distribution



Red (93%)

Green (37%)

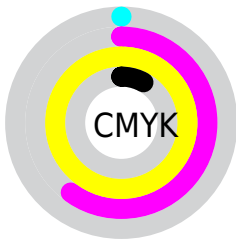
Blue (0%)



Red (93%)

Yellow (62%)

Blue (0%)

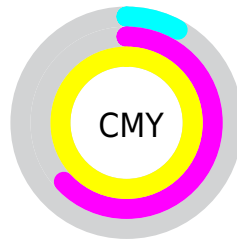


Cyan (0%)

Magenta (60%)

Yellow (100%)

Black (8%)



Cyan (8%)

Magenta (63%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 84.718, 52.695 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 58, 84.718, 52.695 by changing the saturation by 10% instead.

58, 84.718, 52.695

58, 84.718, 52.695

100, 84.718,
52.695

48, 84.718, 52.695

78, 84.718, 52.695

38, 84.718, 52.695

88, 84.718, 52.695

28, 84.718, 52.695

98, 84.718, 52.695

18, 84.718, 52.695

8, 84.718, 52.695

0, 84.718, 52.695

58, 84.718, 52.695

58, 84.718, 52.695

58, 84.682, 52.679

61, 78.286, 54.903

63, 69.760, 56.412

67, 60.089, 57.466

70, 50.217, 58.366

74, 40.609, 59.247

77, 31.460, 60.159

81, 22.837, 61.110

85, 14.741, 62.092

89, 7.140, 63.073

Harmonies

Complementary

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



58, 84.718, 52.695



57, 56.501, 273.506

Rectangle

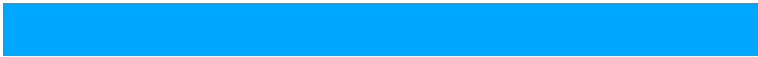
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58, 84.718, 52.695



58, 84.718, 102.695



58, 84.718, 232.695



58, 84.718, 282.695

Sweetspot

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



58, 84.682, 52.679



87, 24.342, 61.098



52, 82.150, 353.433



45, 16.838, 60.691



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



58, 84.682, 52.679



62, 89.969, 52.512



84, 85.048, 95.878



47, 4.032, 63.124



45, 69.091, 53.346



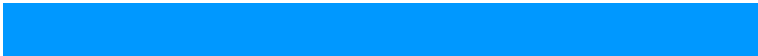
11, 22.532, 50.760

Inverse Universe

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



57, 56.501, 273.506



61, 60.155, 273.738



31, 121.248, 305.193



47, 3.885, 245.311



44, 45.716, 272.580



11, 17.461, 263.693

Previews

White Background



This preview shows how the CIELCh color 58, 84.718, 52.695 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 58, 84.718, 52.695 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 58, 84.718, 52.695

Background



This preview shows how black text looks on a background with the CIELCh color 58, 84.718, 52.695.



This preview shows how white text looks on a background with the CIELCh color 58, 84.718, 52.695.

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

58, 84.718, 52.695

Protanopia

58, 58.355, 94.984

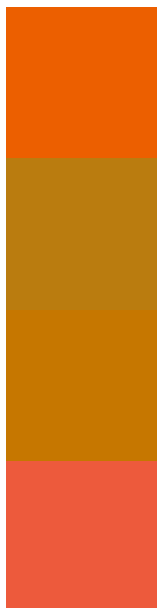
Deuteranopia

58, 63.791, 83.613



Tritanopia
58, 64.489, 25.714

Trichromacy



Original Color
58, 84.718, 52.695

Protanomaly
57, 62.598, 74.848

Deuteranomaly
57, 68.454, 69.312

Tritanomaly
58, 72.056, 40.068

Monochromacy



Original Color
58, 84.718, 52.695

Achromatopsia
53, 0.007, 296.813

Achromatomaly
53, 31.680, 59.669

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 84.718, 52.695 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(236, 95, 0)` looks like.

```
.text, #text, p{  
    color:rgb(236, 95, 0)  
}
```

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(236, 95, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 95, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 84.718, 52.695 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(236, 95, 0) }
```

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

```
.border{ border-color:rgb(236, 95, 0) }
```

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

Here you see how a box with a 4 pixel rgb(236, 95, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 95, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 95, 0);  
box-shadow:4px 4px 4px 4px rgb(236, 95, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 58, 84.718, 52.695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 95, 0) }
```

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

```
.background{ background-color: rgb(236, 95,  
0) }
```

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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