

Converting Colors

CIELCh(58, 88.540, 45.452)

Have a look what the booklet for
CIELCh(58, 88.540, 45.452) contains.

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Color

CIELCh(58, 88.604, 45.368)

Conversions

Conversions Part 1

Format	Color
Hex	F95018
RGB	249, 80, 24
RGB Percent	98%, 31%, 9%
CMY	0.0233, 0.6860, 0.9057
CMYK	0.00, 0.68, 0.90, 0.02
HSL	15°, 95%, 54%
HSV	15°, 90%, 98%
XYZ	42.1246, 25.9610, 3.6577
YIQ	124.1470, 118.7000, 18.4120

Conversions

Conversions Part 2

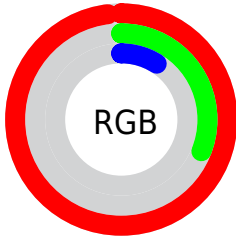
Format	Color
R_{YB}	249, 99, 24
Decimal	16338968
CIE _{Lab}	58.00, 62.25, 63.05
CIE _{LCh}	58, 88.604, 45.368
Yxy	25.9610, 0.5872, 0.3619
Android (android.graphics.Color)	4294529048 (0xFFFF95018)
YUV	124.1470, -49.3725, 109.4961
Hunter-Lab	50.9519, 58.4094, 31.4101

Details

The CIELCh color **58, 88.604, 45.368** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **73, 43.506, 242.531**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 65.109, 51.816**, and **38, 81.502, 39.993** is the 20% darker color. If you saturate the color by 10%, you get **56, 95.972, 44.681**, and if you desaturate by 10%, it is **61, 78.374, 45.313**.

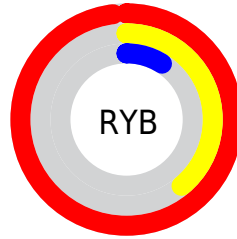
Distribution



Red (98%)

Green (31%)

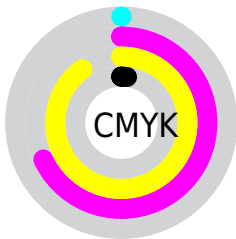
Blue (9%)



Red (98%)

Yellow (39%)

Blue (9%)

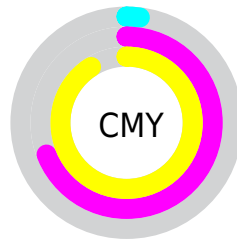


Cyan (0%)

Magenta (68%)

Yellow (90%)

Black (2%)



Cyan (2%)

Magenta (69%)

Yellow (91%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 88.604, 45.368 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, 88.604, 45.368 by changing the saturation by 10% instead.

 58, 88.604, 45.368

 58, 88.604, 45.368

 100, 88.604,
45.368

 48, 88.604, 45.368

 78, 88.604, 45.368

 38, 88.604, 45.368

 88, 88.604, 45.368

 28, 88.604, 45.368

 98, 88.604, 45.368

 18, 88.604, 45.368

 8, 88.604, 45.368

 0, 88.604, 45.368

 58, 88.604, 45.368

 58, 88.604, 45.368

 56, 95.972, 44.681

 61, 78.374, 45.313

 65, 67.006, 44.893

69, 55.603, 44.491

73, 44.657, 44.241

78, 34.369, 44.168

82, 24.804, 44.257

87, 15.958, 44.476

93, 7.791, 44.775

98, 0.245, 42.729

Harmonies

Complementary

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



58, 88.604, 45.368



73, 43.506, 242.531

Rectangle

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



58, 88.604, 45.368



58, 88.604, 95.368



58, 88.604, 225.368



58, 88.604, 275.368

Sweetspot

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



58, 88.601, 45.370



86, 22.192, 44.317



57, 94.024, 339.227



44, 15.167, 44.255



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, 88.601, 45.370



57, 97.746, 44.646



80, 79.621, 83.436



49, 4.279, 44.800



42, 77.436, 45.164



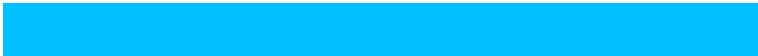
12, 28.023, 39.622

Inverse Universe

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



73, 43.506, 242.531



73, 45.951, 247.043



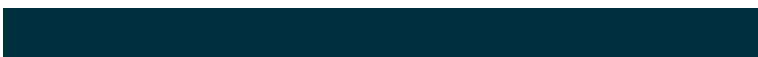
43, 97.163, 297.492



50, 4.045, 225.877



55, 36.455, 246.100



17, 16.026, 239.448

Previews

White Background



This preview shows how the CIELCh color 58, 88.604, 45.368 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, 88.604, 45.368 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, 88.604, 45.368

Background



This preview shows how black text looks on a background with the CIELCh color 58, 88.604, 45.368.



This preview shows how white text looks on a background with the CIELCh color 58, 88.604, 45.368.

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, 88.604, 45.368

Protanopia

58, 53.155, 95.325

Deuteranopia

58, 63.614, 84.009



Tritanopia
58, 75.704, 29.205

Trichromacy



Original Color
58, 88.604, 45.368

Protanomaly
56, 58.544, 68.039

Deuteranomaly
57, 68.930, 65.018

Tritanomaly
58, 80.354, 36.573

Monochromacy



Original Color
58, 88.604, 45.368

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 30.610, 44.005

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 88.604, 45.368 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(249, 80, 24)` looks like.

```
.text, #text, p{  
    color:rgb(249, 80, 24)  
}
```

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(249, 80, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 80, 24) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 88.604, 45.368 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(249, 80, 24) }
```

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

```
.border{ border-color:rgb(249, 80, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 80, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 80, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 80, 24);  
box-shadow:4px 4px 4px 4px rgb(249, 80,  
24) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 88.604, 45.368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 80, 24) }
```

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

```
.background{ background-color: rgb(249, 80,  
24) }
```

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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