

Converting Colors

CIELCh(58, 96.209, 45.572)

Have a look what the booklet for
CIELCh(58, 96.209, 45.572) contains.

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Color

CIELCh(58, 95.907, 45.557)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FF4804 |
| RGB | 255, 72, 4 |
| RGB Percent | 100%, 28%, 2% |
| CMY | 0.0000, 0.7193, 0.9853 |
| CMYK | 0.00, 0.72, 0.99, 0.00 |
| HSL | 16°, 100%, 51% |
| HSV | 16°, 99%, 100% |
| XYZ | 43.7717, 25.9610, 2.8115 |
| YIQ | 118.9650, 130.8960, 17.6480 |

Conversions

Conversions Part 2

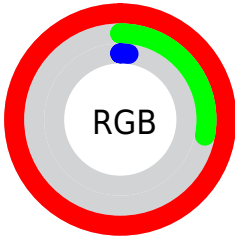
| Format | Color |
|-------------------------------------|---------------------------------|
| R_{YB} | 255, 97, 4 |
| Decimal | 16730116 |
| CIE _{Lab} | 58.00, 67.15, 68.47 |
| CIE _{LCh} | 58, 95.907, 45.557 |
| Yxy | 25.9610, 0.6034, 0.3579 |
| Android (android.graphics.Color) | 4294920196 (0xFFFF4804) |
| YUV | 118.9650, -56.6777, 119.3027 |
| Hunter-Lab | 50.9519, 64.1797, 32.3948 |

Details

The CIELCh color **58, 95.907, 45.557** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **71, 46.901, 250.656**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 69.693, 52.170**, and **39, 83.490, 40.000** is the 20% darker color. If you saturate the color by 10%, you get **58, 96.743, 45.467**, and if you desaturate by 10%, it is **61, 87.649, 46.527**.

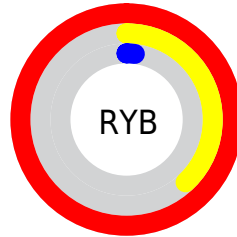
Distribution



Red (100%)

Green (28%)

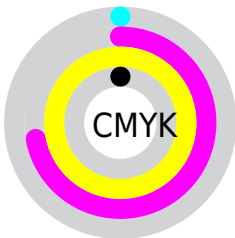
Blue (2%)



Red (100%)

Yellow (38%)

Blue (2%)

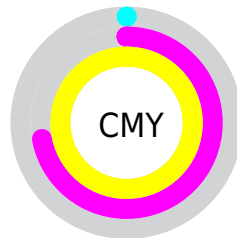


Cyan (0%)

Magenta (72%)

Yellow (99%)

Black (0%)



Cyan (0%)

Magenta (72%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 95.907, 45.557 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, 95.907, 45.557 by changing the saturation by 10% instead.

58, 95.907, 45.557

58, 95.907, 45.557

100, 95.907,
45.557

48, 95.907, 45.557

78, 95.907, 45.557

38, 95.907, 45.557

88, 95.907, 45.557

28, 95.907, 45.557

98, 95.907, 45.557

18, 95.907, 45.557

8, 95.907, 45.557

0, 95.907, 45.557

58, 95.907, 45.557

58, 95.907, 45.557

58, 96.743, 45.467

61, 87.649, 46.527

64, 77.033, 46.621

67, 65.517, 46.418

71, 54.083, 46.237

76, 43.159, 46.190

81, 32.916, 46.297

85, 23.400, 46.544

90, 14.596, 46.900

96, 6.457, 47.309

Harmonies

Complementary

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



58, 95.907, 45.557



71, 46.901, 250.656

Rectangle

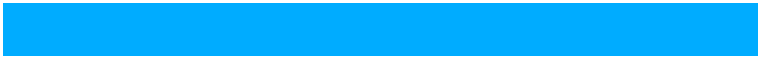
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58, 95.907, 45.557



58, 95.907, 95.557



58, 95.907, 225.557



58, 95.907, 275.557

Sweetspot

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



58, 95.693, 45.590



85, 24.753, 46.500



57, 94.018, 342.616



43, 17.180, 46.388



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, 95.693, 45.590



58, 96.743, 45.467



82, 83.925, 84.781



50, 4.320, 47.271



44, 77.427, 45.991



13, 28.965, 41.630

Inverse Universe

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



71, 46.901, 250.656



71, 47.213, 251.370



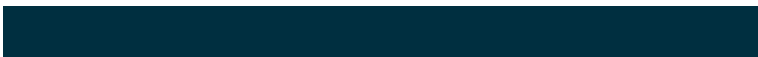
39, 113.105, 301.444



51, 4.091, 228.535



54, 37.787, 250.437



17, 16.744, 243.753

Previews

White Background



This preview shows how the CIELCh color 58, 95.907, 45.557 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, 95.907, 45.557 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, 95.907, 45.557

Background



This preview shows how black text looks on a background with the CIELCh color 58, 95.907, 45.557.



This preview shows how white text looks on a background with the CIELCh color 58, 95.907, 45.557.

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, 95.576, 45.640

Protanopia

58, 56.570, 95.416

Tritanopia

58, 81.050, 30.852

Trichromacy



Original Color
58, 95.576, 45.640

Protanomaly
56, 63.581, 67.360

Tritanomaly
58, 87.181, 38.255

Monochromacy



Original Color
58, 95.576, 45.640

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 34.813, 46.629

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 95.907, 45.557 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(255, 72, 4)` looks like.

```
.text, #text, p{  
    color:rgb(255, 72, 4)  
}
```

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(255, 72, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 72, 4) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 95.907, 45.557 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(255, 72, 4) }
```

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

```
.border{ border-color:rgb(255, 72, 4) }
```

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

Here you see how a box with a 4 pixel rgb(255, 72, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 72, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 72, 4);  
box-shadow:4px 4px 4px 4px rgb(255, 72, 4)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 58, 95.907, 45.557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 72, 4) }
```

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

```
.background{ background-color: rgb(255, 72,  
4) }
```

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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