

Converting Colors

CIELCh(58, 94.666, 45.043)

Have a look what the booklet for
CIELCh(58, 94.666, 45.043) contains.

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Color

CIELCh(58, 94.644, 45.043)

Conversions

Conversions Part 1

Format	Color
Hex	FF480B
RGB	255, 72, 11
RGB Percent	100%, 28%, 4%
CMY	0.0000, 0.7171, 0.9562
CMYK	0.00, 0.72, 0.96, 0.00
HSL	15°, 100%, 52%
HSV	15°, 96%, 100%
XYZ	43.6763, 25.9610, 3.0308
YIQ	119.7630, 128.6490, 19.8250

Conversions

Conversions Part 2

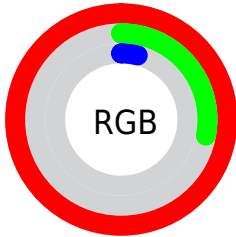
Format	Color
R_{YB}	255, 92, 11
Decimal	16730123
CIE _{Lab}	58.00, 66.87, 66.97
CIE _{LCh}	58, 94.644, 45.043
Yxy	25.9610, 0.6010, 0.3573
Android (android.graphics.Color)	4294920203 (0xFFFF480B)
YUV	119.7630, -53.6202, 118.6028
Hunter-Lab	50.9519, 63.8454, 32.1396

Details

The CIELCh color **58, 94.644, 45.043** 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 **73, 45.271, 245.209**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 68.682, 51.376**, and **39, 83.490, 40.000** is the 20% darker color. If you saturate the color by 10%, you get **57, 97.695, 44.687**, and if you desaturate by 10%, it is **61, 85.598, 45.488**.

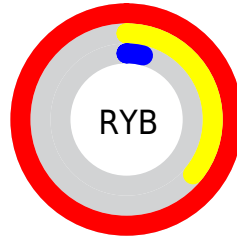
Distribution



Red (100%)

Green (28%)

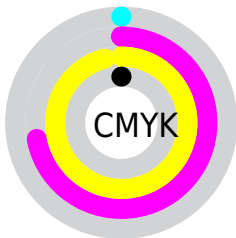
Blue (4%)



Red (100%)

Yellow (36%)

Blue (4%)

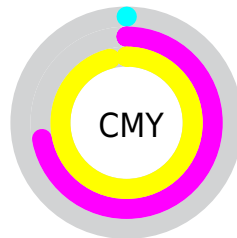


Cyan (0%)

Magenta (72%)

Yellow (96%)

Black (0%)



Cyan (0%)

Magenta (72%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 94.644, 45.043 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, 94.644, 45.043 by changing the saturation by 10% instead.

58, 94.644, 45.043

58, 94.644, 45.043

100, 94.644,
45.043

48, 94.644, 45.043

78, 94.644, 45.043

38, 94.644, 45.043

88, 94.644, 45.043

28, 94.644, 45.043

98, 94.644, 45.043

18, 94.644, 45.043

8, 94.644, 45.043

0, 94.644, 45.043

58, 94.644, 45.043

58, 94.644, 45.043

57, 97.695, 44.687

61, 85.598, 45.488

64, 74.444, 45.207

68, 62.755, 44.779

72, 51.316, 44.449

77, 40.463, 44.290

82, 30.324, 44.303

87, 20.926, 44.465

92, 12.246, 44.737

97, 4.230, 45.025

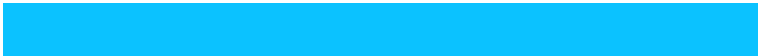
Harmonies

Complementary

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



58, 94.644, 45.043



73, 45.271, 245.209

Rectangle

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



58, 94.644, 45.043



58, 94.644, 95.043



58, 94.644, 225.043



58, 94.644, 275.043

Sweetspot

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



58, 94.593, 45.051



85, 24.023, 44.396



57, 95.097, 341.016



43, 16.777, 44.329



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, 94.593, 45.051



57, 97.695, 44.687



82, 82.959, 83.843



50, 4.349, 44.928



43, 78.198, 45.180



12, 29.248, 40.267

Inverse Universe

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



73, 45.271, 245.209



73, 46.011, 247.274



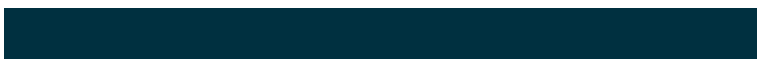
41, 107.536, 299.955



51, 4.111, 226.016



56, 36.876, 246.376



18, 16.491, 240.010

Previews

White Background



This preview shows how the CIELCh color 58, 94.644, 45.043 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, 94.644, 45.043 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, 94.644, 45.043

Background



This preview shows how black text looks on a background with the CIELCh color 58, 94.644, 45.043.



This preview shows how white text looks on a background with the CIELCh color 58, 94.644, 45.043.

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, 94.644, 45.043

Protanopia

58, 55.941, 95.403

Deuteranopia

58, 63.614, 84.009



Tritanopia
58, 80.841, 31.050

Trichromacy



Original Color
58, 94.644, 45.043

Protanomaly
56, 62.572, 66.890

Deuteranomaly
56, 70.659, 63.538

Tritanomaly
58, 86.445, 37.930

Monochromacy



Original Color
58, 94.644, 45.043

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 34.068, 45.124

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 94.644, 45.043 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, 11)` looks like.

```
.text, #text, p{  
    color:rgb(255, 72, 11)  
}
```

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, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 72, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 94.644, 45.043 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, 11) }
```

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

```
.border{ border-color:rgb(255, 72, 11) }
```

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, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 72, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 72, 11);  
box-shadow:4px 4px 4px 4px rgb(255, 72,  
11) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 94.644, 45.043 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, 11) }
```

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

```
.background{ background-color: rgb(255, 72,  
11) }
```

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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