

Converting Colors

CIELCh(58, 94.660, 44.267)

Have a look what the booklet for
CIELCh(58, 94.660, 44.267) contains.

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Color

CIELCh(58, 94.263, 44.192)

Conversions

Conversions Part 1

Format	Color
Hex	FF4711
RGB	255, 71, 17
RGB Percent	100%, 28%, 7%
CMY	0.0000, 0.7221, 0.9335
CMYK	0.00, 0.72, 0.93, 0.00
HSL	14°, 100%, 53%
HSV	14°, 93%, 100%
XYZ	43.9193, 25.9610, 3.2247
YIQ	119.8600, 126.9980, 22.2140

Conversions

Conversions Part 2

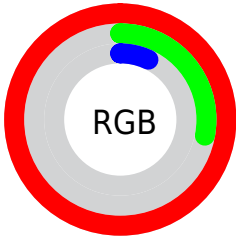
Format	Color
R_{YB}	255, 87, 17
Decimal	16729873
CIE _{Lab}	58.00, 67.59, 65.71
CIE _{LCh}	58, 94.263, 44.192
Yxy	25.9610, 0.6008, 0.3551
Android (android.graphics.Color)	4294919953 (0xFFFF4711)
YUV	119.8600, -50.7100, 118.5178
Hunter-Lab	50.9519, 64.6966, 31.9139

Details

The CIELCh color **58, 94.263, 44.192** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **76, 44.031, 239.334**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 67.822, 50.105**, and **39, 83.490, 40.000** is the 20% darker color. If you saturate the color by 10%, you get **56, 98.764, 43.856**, and if you desaturate by 10%, it is **61, 84.176, 44.137**.

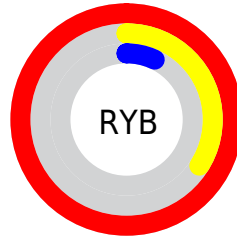
Distribution



Red (100%)

Green (28%)

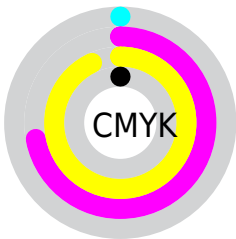
Blue (7%)



Red (100%)

Yellow (34%)

Blue (7%)

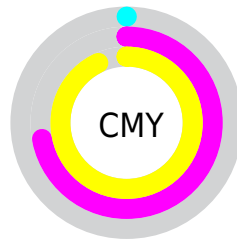


Cyan (0%)

Magenta (72%)

Yellow (93%)

Black (0%)



Cyan (0%)

Magenta (72%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 94.263, 44.192 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, 94.263, 44.192 by changing the saturation by 10% instead.

 58, 94.263, 44.192

 58, 94.263, 44.192

 100, 94.263,
44.192

 48, 94.263, 44.192

 78, 94.263, 44.192

 38, 94.263, 44.192

 88, 94.263, 44.192

 28, 94.263, 44.192

 98, 94.263, 44.192

 18, 94.263, 44.192

 8, 94.263, 44.192

 0, 94.263, 44.192

 58, 94.263, 44.192

 58, 94.263, 44.192

 56, 98.764, 43.856

 61, 84.176, 44.137

 64, 72.669, 43.502

68, 60.855, 42.835

72, 49.388, 42.329

77, 38.552, 42.027

82, 28.450, 41.917

87, 19.102, 41.967

93, 10.477, 42.129

98, 2.522, 42.224

Harmonies

Complementary

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



58, 94.263, 44.192



76, 44.031, 239.334

Rectangle

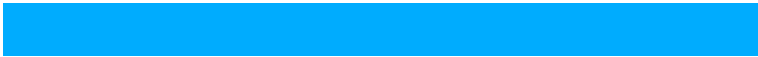
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58, 94.263, 44.192



58, 94.263, 94.192



58, 94.263, 224.192



58, 94.263, 274.192

Sweetspot

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



58, 93.935, 44.231



85, 23.357, 41.927



58, 97.243, 338.625



43, 16.420, 41.916



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, 93.935, 44.231



56, 98.764, 43.856



80, 81.615, 81.318



50, 4.393, 42.204



43, 79.072, 44.310



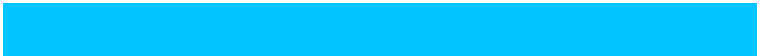
12, 29.591, 38.751

Inverse Universe

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



76, 44.031, 239.334



74, 44.889, 242.248



44, 100.130, 297.700



52, 4.144, 223.079



57, 36.033, 241.407



18, 16.278, 235.507

Previews

White Background



This preview shows how the CIELCh color 58, 94.263, 44.192 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, 94.263, 44.192 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, 94.263, 44.192

Background



This preview shows how black text looks on a background with the CIELCh color 58, 94.263, 44.192.



This preview shows how white text looks on a background with the CIELCh color 58, 94.263, 44.192.

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, 93.904, 44.249

Protanopia

58, 54.523, 95.858

Deuteranopia

58, 63.498, 83.494



Tritanopia
58, 81.294, 31.194

Trichromacy



Original Color
58, 93.904, 44.249

Protanomaly
56, 61.130, 66.652

Deuteranomaly
56, 70.457, 62.956

Tritanomaly
58, 86.090, 37.206

Monochromacy



Original Color
58, 93.904, 44.249

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 33.324, 41.695

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 94.263, 44.192 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, 71, 17)` looks like.

```
.text, #text, p{  
    color:rgb(255, 71, 17)  
}
```

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, 71, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 71, 17) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 94.263, 44.192 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, 71, 17) }
```

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

```
.border{ border-color:rgb(255, 71, 17) }
```

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

Here you see how a box with a 4 pixel rgb(255, 71, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 71, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 71, 17);  
box-shadow:4px 4px 4px 4px rgb(255, 71,  
17) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 94.263, 44.192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 71, 17) }
```

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

```
.background{ background-color: rgb(255, 71,  
17) }
```

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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