

Converting Colors

CIELCh(58, 93.126, 43.497)

Have a look what the booklet for
CIELCh(58, 93.126, 43.497) contains.

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Color

CIELCh(58, 92.762, 43.458)

Conversions

Conversions Part 1

Format	Color
Hex	FF4717
RGB	255, 71, 23
RGB Percent	100%, 28%, 9%
CMY	0.0000, 0.7200, 0.9083
CMYK	0.00, 0.72, 0.91, 0.00
HSL	12°, 100%, 55%
HSV	12°, 91%, 100%
XYZ	43.8330, 25.9610, 3.5316
YIQ	120.5440, 125.0720, 24.0800

Conversions

Conversions Part 2

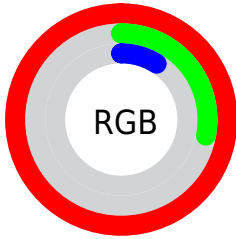
Format	Color
R_{YB}	255, 84, 23
Decimal	16729879
CIE _{Lab}	58.00, 67.33, 63.80
CIE _{LCh}	58, 92.762, 43.458
Yxy	25.9610, 0.5978, 0.3541
Android (android.graphics.Color)	4294919959 (0xFFFF4717)
YUV	120.5440, -48.0892, 117.9179
Hunter-Lab	50.9519, 64.3942, 31.5568

Details

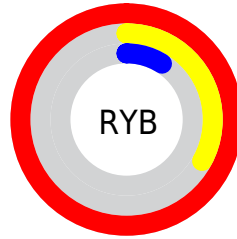
The CIELCh color **58, 92.762, 43.458** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **77, 43.261, 234.376**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 66.482, 48.917**, and **39, 83.490, 40.000** is the 20% darker color. If you saturate the color by 10%, you get **56, 99.579, 43.250**, and if you desaturate by 10%, it is **61, 82.161, 42.925**.

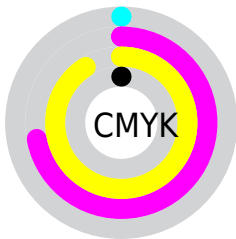
Distribution



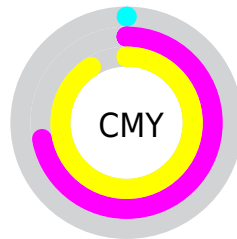
- Red (100%)
- Green (28%)
- Blue (9%)



- Red (100%)
- Yellow (33%)
- Blue (9%)



- Cyan (0%)
- Magenta (72%)
- Yellow (91%)
- Black (0%)



- Cyan (0%)
- Magenta (72%)
- Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 92.762, 43.458 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, 92.762, 43.458 by changing the saturation by 10% instead.

58, 92.762, 43.458

58, 92.762, 43.458

100, 92.762,
43.458

48, 92.762, 43.458

78, 92.762, 43.458

38, 92.762, 43.458

88, 92.762, 43.458

28, 92.762, 43.458

98, 92.762, 43.458

18, 92.762, 43.458

8, 92.762, 43.458

0, 92.762, 43.458

58, 92.762, 43.458

58, 92.762, 43.458

56, 99.579, 43.250

61, 82.161, 42.925

64, 70.397, 42.021

69, 58.527, 41.186

73, 47.091, 40.561

78, 36.319, 40.165

83, 26.297, 39.973

88, 17.033, 39.943

94, 8.494, 40.022

100, 0.622, 39.271

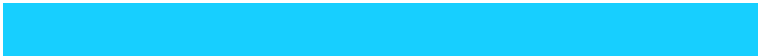
Harmonies

Complementary

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



58, 92.762, 43.458



77, 43.261, 234.376

Rectangle

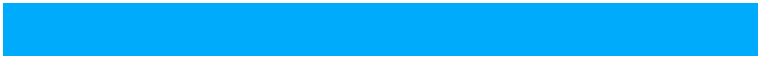
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58, 92.762, 43.458



58, 92.762, 93.458



58, 92.762, 223.458



58, 92.762, 273.458

Sweetspot

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



58, 92.605, 43.476



85, 22.661, 39.944



58, 98.088, 337.380



43, 15.491, 39.968



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, 92.605, 43.476



56, 99.579, 43.250



80, 80.461, 80.368



50, 4.435, 40.034



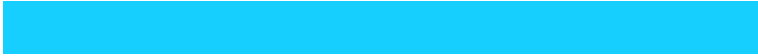
42, 79.744, 43.673



12, 29.872, 37.597

Inverse Universe

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



77, 43.261, 234.376



76, 44.223, 238.059



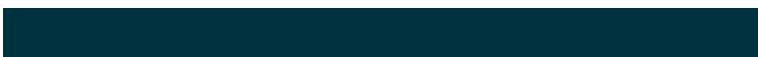
46, 94.839, 295.977



52, 4.179, 220.734



58, 35.540, 237.275



19, 16.175, 231.820

Previews

White Background



This preview shows how the CIELCh color 58, 92.762, 43.458 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, 92.762, 43.458 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, 92.762, 43.458

Background



This preview shows how black text looks on a background with the CIELCh color 58, 92.762, 43.458.



This preview shows how white text looks on a background with the CIELCh color 58, 92.762, 43.458.

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, 92.762, 43.458

Protanopia

58, 52.699, 95.816

Deuteranopia

58, 63.498, 83.494



Tritanopia
58, 81.050, 30.852

Trichromacy



Original Color
58, 92.762, 43.458

Protanomaly
56, 59.260, 65.685

Deuteranomaly
56, 69.992, 62.732

Tritanomaly
58, 85.273, 36.377

Monochromacy



Original Color
58, 92.762, 43.458

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 32.671, 39.995

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 92.762, 43.458 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, 23)` looks like.

```
.text, #text, p{  
    color:rgb(255, 71, 23)  
}
```

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, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 71, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 92.762, 43.458 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, 23) }
```

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

```
.border{ border-color:rgb(255, 71, 23) }
```

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, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 71, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 71, 23);  
box-shadow:4px 4px 4px 4px rgb(255, 71,  
23) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 92.762, 43.458 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, 23) }
```

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

```
.background{ background-color: rgb(255, 71,  
23) }
```

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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