

Converting Colors

CIELCh(61, 88.997, 48.987)

Have a look what the booklet for
CIELCh(61, 88.997, 48.987) contains.

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Color

CIELCh(61, 89.203, 48.947)

Conversions

Conversions Part 1

Format	Color
Hex	FF5E12
RGB	255, 94, 18
RGB Percent	100%, 37%, 7%
CMY	0.0007, 0.6319, 0.9302
CMYK	0.00, 0.63, 0.93, 0.00
HSL	19°, 100%, 53%
HSV	19°, 93%, 100%
XYZ	45.2719, 29.2481, 3.8230
YIQ	133.4750, 120.3520, 10.4960

Conversions

Conversions Part 2

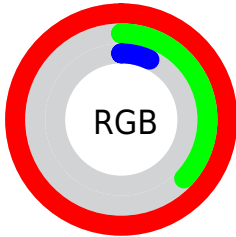
Format	Color
R _Y B	255, 130, 18
Decimal	16735762
CIE Lab	61.00, 58.58, 67.27
CIE LCh	61, 89.203, 48.947
Yxy	29.2481, 0.5779, 0.3733
Android (android.graphics.Color)	4294925842 (0xFFFF5E12)
YUV	133.4750, -56.9292, 106.5774
Hunter-Lab	54.0815, 54.7805, 33.6659

Details

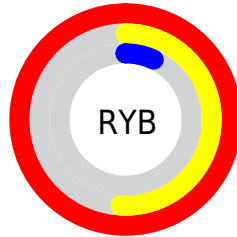
The CIELCh color **61, 89.203, 48.947** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed red. A complement of this color would be **69, 49.038, 257.411**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 64.481, 58.663**, and **41, 80.075, 42.736** is the 20% darker color. If you saturate the color by 10%, you get **59, 94.121, 47.790**, and if you desaturate by 10%, it is **64, 79.938, 49.956**.

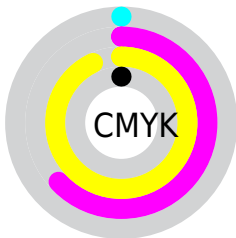
Distribution



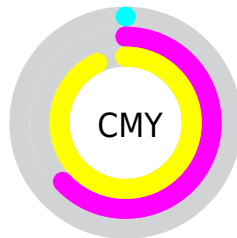
- Red (100%)
- Green (37%)
- Blue (7%)



- Red (100%)
- Yellow (51%)
- Blue (7%)



- Cyan (0%)
- Magenta (63%)
- Yellow (93%)
- Black (0%)



- Cyan (0%)
- Magenta (63%)
- Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 89.203, 48.947 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 61, 89.203, 48.947 by changing the saturation by 10% instead.

61, 89.203, 48.947

61, 89.203, 48.947

100, 89.203,
48.947

51, 89.203, 48.947

81, 89.203, 48.947

41, 89.203, 48.947

91, 89.203, 48.947

31, 89.203, 48.947

21, 89.203, 48.947

11, 89.203, 48.947

1, 89.203, 48.947

0, 89.203, 48.947

61, 89.203, 48.947

61, 89.203, 48.947

59, 94.121, 47.790

64, 79.938, 49.956

67, 69.070, 50.383

71, 57.895, 50.659

75, 47.037, 50.969

80, 36.760, 51.375

84, 27.151, 51.884

89, 18.216, 52.480

94, 9.921, 53.133

98, 2.212, 53.658

Harmonies

Complementary

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



61, 89.203, 48.947



69, 49.038, 257.411

Rectangle

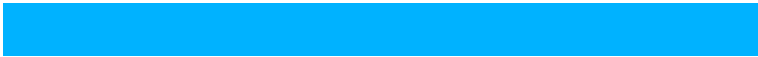
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



61, 89.203, 48.947



61, 89.203, 98.947



61, 89.203, 228.947



61, 89.203, 278.947

Sweetspot

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



61, 89.200, 48.949



87, 22.601, 52.173



57, 90.888, 345.102



44, 15.864, 51.923



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



61, 89.200, 48.949



59, 94.172, 47.789



86, 84.813, 90.005



51, 4.280, 53.362



45, 75.365, 48.385



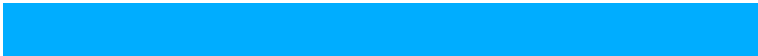
13, 28.289, 45.439

Inverse Universe

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



69, 49.038, 257.411



67, 51.256, 261.025



39, 113.492, 301.780



51, 4.076, 235.044



52, 40.883, 260.047



16, 17.684, 252.876

Previews

White Background



This preview shows how the CIELCh color 61, 89.203, 48.947 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 61, 89.203, 48.947 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 61, 89.203, 48.947

Background



This preview shows how black text looks on a background with the CIELCh color 61, 89.203, 48.947.



This preview shows how white text looks on a background with the CIELCh color 61, 89.203, 48.947.

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

61, 89.203, 48.947

Protanopia

61, 58.370, 95.352

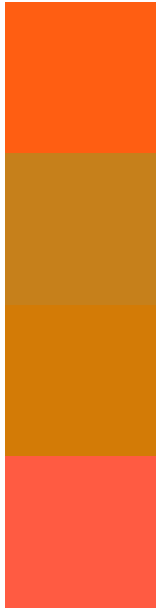
Deuteranopia

61, 66.193, 83.649



Tritanopia
61, 70.954, 27.116

Trichromacy



Original Color
61, 89.203, 48.947

Protanomaly
59, 63.068, 71.804

Deuteranomaly
60, 71.168, 67.137

Tritanomaly
61, 77.367, 37.969

Monochromacy



Original Color
61, 89.203, 48.947

Achromatopsia
56, 0.007, 296.813

Achromatomaly
55, 31.371, 51.648

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 89.203, 48.947 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, 94, 18)` looks like.

```
.text, #text, p{  
    color:rgb(255, 94, 18)  
}
```

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, 94, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 94, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 89.203, 48.947 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, 94, 18) }
```

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

```
.border{ border-color:rgb(255, 94, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 94, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 94, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 94, 18);  
box-shadow:4px 4px 4px 4px rgb(255, 94,  
18) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 89.203, 48.947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 94, 18) }
```

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

```
.background{ background-color: rgb(255, 94,  
18) }
```

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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