

Converting Colors

CIELCh(60, 88.066, 49.383)

Have a look what the booklet for
CIELCh(60, 88.066, 49.383) contains.

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Color

CIELCh(60, 88.075, 49.446)

Conversions

Conversions Part 1

Format	Color
Hex	FA5D0F
RGB	250, 93, 15
RGB Percent	98%, 36%, 6%
CMY	0.0204, 0.6359, 0.9421
CMYK	0.00, 0.63, 0.94, 0.02
HSL	20°, 96%, 52%
HSV	20°, 94%, 98%
XYZ	43.3412, 28.1233, 3.5873
YIQ	131.0510, 118.6100, 9.0260

Conversions

Conversions Part 2

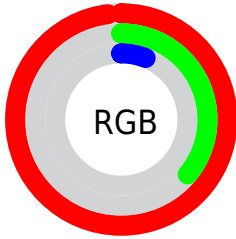
Format	Color
RYB	250, 132, 15
Decimal	16407823
CIELab	60.00, 57.26, 66.92
CIElCh	60, 88.075, 49.446
Yxy	28.1233, 0.5775, 0.3747
Android (android.graphics.Color)	4294597903 (0xFFFA5D0F)
YUV	131.0510, -57.2131, 104.3183
Hunter-Lab	53.0314, 53.0784, 33.1114

Details

The CIELCh color **60, 88.075, 49.446** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated red. A complement of this color would be **67, 49.505, 259.870**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 65.282, 58.660**, and **40, 78.660, 42.871** is the 20% darker color. If you saturate the color by 10%, you get **58, 92.101, 48.408**, and if you desaturate by 10%, it is **63, 79.316, 50.665**.

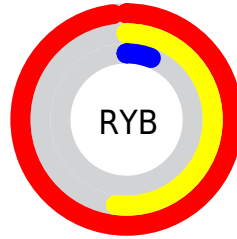
Distribution



Red (98%)

Green (36%)

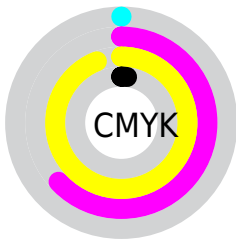
Blue (6%)



Red (98%)

Yellow (52%)

Blue (6%)

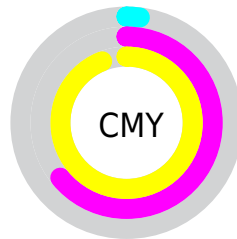


Cyan (0%)

Magenta (63%)

Yellow (94%)

Black (2%)



Cyan (2%)

Magenta (64%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 88.075, 49.446 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 60, 88.075, 49.446 by changing the saturation by 10% instead.

60, 88.075, 49.446

60, 88.075, 49.446

100, 88.075,
49.446

50, 88.075, 49.446

80, 88.075, 49.446

40, 88.075, 49.446

90, 88.075, 49.446

30, 88.075, 49.446

20, 88.075, 49.446

10, 88.075, 49.446

0, 88.075, 49.446

60, 88.075, 49.446

60, 88.075, 49.446

58, 92.101, 48.408

63, 79.316, 50.665

66, 68.812, 51.241

70, 57.897, 51.622

74, 47.237, 52.014

78, 37.117, 52.486

82, 27.637, 53.052

87, 18.808, 53.700

92, 10.601, 54.403

96, 2.964, 55.038

Harmonies

Complementary

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



60, 88.075, 49.446



67, 49.505, 259.870

Rectangle

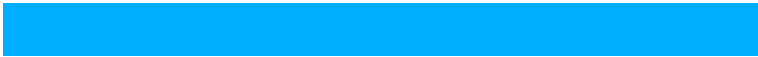
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



60, 88.075, 49.446



60, 88.075, 99.446



60, 88.075, 229.446



60, 88.075, 279.446

Sweetspot

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



60, 88.072, 49.448



87, 22.562, 53.437



56, 89.583, 345.304



44, 15.832, 53.160



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



60, 88.072, 49.448



60, 93.585, 48.370



84, 83.750, 89.866



50, 4.208, 54.726



45, 74.128, 49.014



13, 26.928, 45.894

Inverse Universe

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



67, 49.505, 259.870



67, 52.327, 262.993



38, 112.889, 302.031



50, 4.012, 236.489



50, 41.270, 261.961



15, 17.417, 254.375

Previews

White Background



This preview shows how the CIELCh color 60, 88.075, 49.446 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 60, 88.075, 49.446 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 60, 88.075, 49.446

Background



This preview shows how black text looks on a background with the CIELCh color 60, 88.075, 49.446.



This preview shows how white text looks on a background with the CIELCh color 60, 88.075, 49.446.

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

60, 88.075, 49.446

Protanopia

60, 58.189, 95.213

Deuteranopia

60, 65.433, 83.803



Tritanopia
60, 70.908, 27.626

Trichromacy



Original Color
60, 88.075, 49.446

Protanomaly
59, 62.997, 72.056

Deuteranomaly
59, 70.170, 67.830

Tritanomaly
60, 77.055, 38.417

Monochromacy



Original Color
60, 88.075, 49.446

Achromatopsia
55, 0.007, 296.813

Achromatomaly
54, 31.096, 52.023

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 88.075, 49.446 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(250, 93, 15)` looks like.

```
.text, #text, p{  
    color:rgb(250, 93, 15)  
}
```

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(250, 93, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 93, 15) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 88.075, 49.446 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(250, 93, 15) }
```

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

```
.border{ border-color:rgb(250, 93, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 93, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 93, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 93, 15);  
box-shadow:4px 4px 4px 4px rgb(250, 93,  
15) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 88.075, 49.446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 93, 15) }
```

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

```
.background{ background-color: rgb(250, 93,  
15) }
```

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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