

Converting Colors

CIELCh(67, 82.699, 59.108)

Have a look what the booklet for
CIELCh(67, 82.699, 59.108) contains.

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Color

CIELCh(67, 82.710, 58.988)

Conversions

Conversions Part 1

Format	Color
Hex	FE8013
RGB	254, 128, 19
RGB Percent	100%, 50%, 7%
CMY	0.0032, 0.4974, 0.9245
CMYK	0.00, 0.50, 0.92, 0.00
HSL	28°, 99%, 54%
HSV	28°, 92%, 100%
XYZ	48.8001, 36.6320, 5.1259
YIQ	153.2480, 110.0850, -7.1870

Conversions

Conversions Part 2

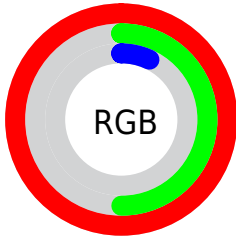
Format	Color
R_{YB}	254, 222, 19
Decimal	16678931
CIE Lab	67.00, 42.61, 70.89
CIE LCh	67, 82.710, 58.988
Yxy	36.6320, 0.5389, 0.4045
Android (android.graphics.Color)	4294869011 (0xFFFE8013)
YUV	153.2480, -66.1843, 88.3595
Hunter-Lab	60.5244, 38.0048, 37.3457

Details

The CIELCh color **67, 82.710, 58.988** is a dark color, and the websafe version is hex **FF6600**. The color can be described as middle washed orange. A complement of this color would be **60, 63.218, 277.633**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **79, 62.939, 74.207**, and **47, 71.783, 53.060** is the 20% darker color. If you saturate the color by 10%, you get **65, 86.862, 56.889**, and if you desaturate by 10%, it is **70, 75.090, 61.120**.

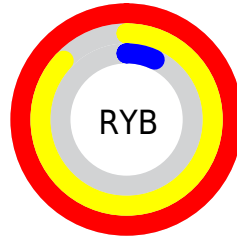
Distribution



Red (100%)

Green (50%)

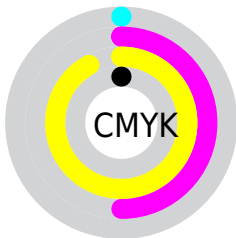
Blue (7%)



Red (100%)

Yellow (87%)

Blue (7%)

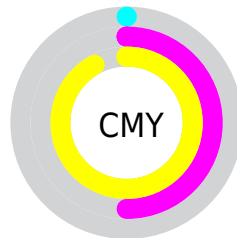


Cyan (0%)

Magenta (50%)

Yellow (92%)

Black (0%)



Cyan (0%)

Magenta (50%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 82.710, 58.988 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 67, 82.710, 58.988 by changing the saturation by 10% instead.

67, 82.710, 58.988

67, 82.710, 58.988

100, 82.710,
58.988

57, 82.710, 58.988

87, 82.710, 58.988

47, 82.710, 58.988

97, 82.710, 58.988

37, 82.710, 58.988

27, 82.710, 58.988

17, 82.710, 58.988

7, 82.710, 58.988

0, 82.710, 58.988

67, 82.710, 58.988

67, 82.710, 58.988

65, 86.862, 56.889

70, 75.090, 61.120

73, 65.713, 62.666

76, 55.710, 63.956

80, 45.721, 65.155

83, 36.047, 66.333

87, 26.810, 67.513

91, 18.041, 68.694

95, 9.730, 69.861

99, 1.844, 70.832

Harmonies

Complementary

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



67, 82.710, 58.988



60, 63.218, 277.633

Rectangle

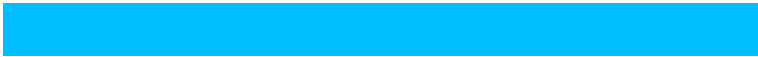
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67, 82.710, 58.988



67, 82.710, 108.988



67, 82.710, 238.988



67, 82.710, 288.988

Sweetspot

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



67, 82.707, 58.990



89, 22.932, 68.035



56, 84.857, 355.402



46, 16.020, 67.525



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



67, 82.707, 58.990



65, 87.077, 56.882



94, 91.828, 99.850



51, 4.429, 70.191



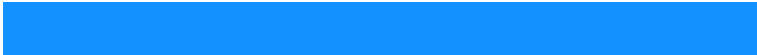
50, 69.820, 57.592



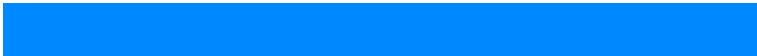
15, 27.086, 58.224

Inverse Universe

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



60, 63.218, 277.633



57, 68.352, 281.261



35, 126.568, 305.064



51, 4.306, 252.640



43, 54.155, 280.377



13, 22.225, 273.547

Previews

White Background



This preview shows how the CIELCh color 67, 82.710, 58.988 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 67, 82.710, 58.988 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 82.710, 58.988

Background



This preview shows how black text looks on a background with the CIELCh color 67, 82.710, 58.988.



This preview shows how white text looks on a background with the CIELCh color 67, 82.710, 58.988.

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

67, 82.710, 58.988

Protanopia

67, 65.144, 95.299

Deuteranopia

67, 71.569, 83.129



Tritanopia
67, 55.521, 21.520

Trichromacy



Original Color
67, 82.710, 58.988

Protanomaly
66, 67.561, 79.419

Deuteranomaly
67, 73.907, 73.141

Tritanomaly
67, 63.441, 41.777

Monochromacy



Original Color
67, 82.710, 58.988

Achromatopsia
63, 0.008, 296.813

Achromatomaly
63, 30.541, 66.251

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 82.710, 58.988 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(254, 128, 19)` looks like.

```
.text, #text, p{  
    color:rgb(254, 128, 19)  
}
```

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(254, 128, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 128, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 82.710, 58.988 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(254, 128, 19) }
```

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

```
.border{ border-color:rgb(254, 128, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 128, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 128, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 128, 19);  
box-shadow:4px 4px 4px 4px rgb(254, 128,  
19) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 82.710, 58.988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 128, 19) }
```

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

```
.background{ background-color: rgb(254,  
128, 19) }
```

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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