

Converting Colors

CIELCh(67, 82.003, 58.395)

Have a look what the booklet for
CIELCh(67, 82.003, 58.395) contains.

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Color

CIELCh(67, 82.124, 58.371)

Conversions

Conversions Part 1

Format	Color
Hex	FF8018
RGB	255, 128, 24
RGB Percent	100%, 50%, 9%
CMY	0.0013, 0.4990, 0.9073
CMYK	0.00, 0.50, 0.91, 0.00
HSL	27°, 100%, 55%
HSV	27°, 91%, 100%
XYZ	48.9661, 36.6320, 5.3335
YIQ	154.1170, 109.0760, -5.4200

Conversions

Conversions Part 2

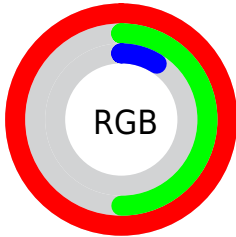
Format	Color
R_{YB}	255, 213, 24
Decimal	16744472
CIE _{Lab}	67.00, 43.07, 69.93
CIE _{LCh}	67, 82.124, 58.371
Yxy	36.6320, 0.5385, 0.4029
Android (android.graphics.Color)	4294934552 (0xFFFF8018)
YUV	154.1170, -64.1477, 88.4744
Hunter-Lab	60.5244, 38.4945, 37.1423

Details

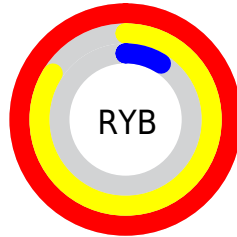
The CIELCh color **67, 82.124, 58.371** is a dark color, and the websafe version is hex **FF6600**. The color can be described as middle washed orange. A complement of this color would be **61, 60.703, 275.297**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **79, 61.834, 74.266**, and **47, 72.155, 52.908** is the 20% darker color. If you saturate the color by 10%, you get **64, 87.565, 55.907**, and if you desaturate by 10%, it is **70, 73.916, 60.302**.

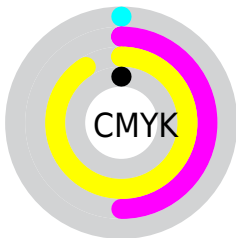
Distribution



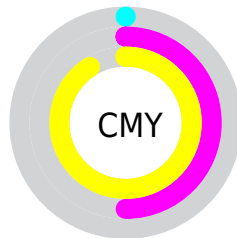
- Red (100%)
- Green (50%)
- Blue (9%)



- Red (100%)
- Yellow (84%)
- Blue (9%)



- Cyan (0%)
- Magenta (50%)
- Yellow (91%)
- Black (0%)



- Cyan (0%)
- Magenta (50%)
- Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 82.124, 58.371 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, 82.124, 58.371 by changing the saturation by 10% instead.

67, 82.124, 58.371

67, 82.124, 58.371

100, 82.124,
58.371

57, 82.124, 58.371

87, 82.124, 58.371

47, 82.124, 58.371

97, 82.124, 58.371

37, 82.124, 58.371

27, 82.124, 58.371

17, 82.124, 58.371

7, 82.124, 58.371

0, 82.124, 58.371

67, 82.124, 58.371

67, 82.124, 58.371

64, 87.565, 55.907

70, 73.916, 60.302

73, 64.211, 61.715

77, 54.066, 62.916

80, 44.042, 64.052

84, 34.394, 65.182

88, 25.218, 66.321

92, 16.533, 67.467

96, 8.319, 68.597

100, 0.539, 68.903

Harmonies

Complementary

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



67, 82.124, 58.371



61, 60.703, 275.297

Rectangle

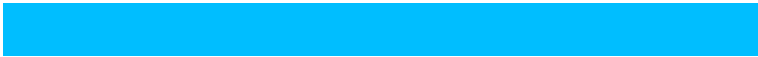
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67, 82.124, 58.371



67, 82.124, 108.371



67, 82.124, 238.371



67, 82.124, 288.371

Sweetspot

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



67, 82.122, 58.373



89, 21.951, 66.748



56, 84.748, 354.837



46, 14.936, 66.356



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, 82.122, 58.373



65, 87.651, 55.904



94, 91.499, 99.932



51, 4.400, 68.730



49, 70.261, 56.611



15, 27.138, 56.966

Inverse Universe

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



61, 60.703, 275.297



58, 66.537, 279.804



35, 125.236, 304.813



51, 4.270, 251.138



44, 52.738, 278.905



13, 21.719, 271.987

Previews

White Background



This preview shows how the CIELCh color 67, 82.124, 58.371 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, 82.124, 58.371 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, 82.124, 58.371

Background



This preview shows how black text looks on a background with the CIELCh color 67, 82.124, 58.371.



This preview shows how white text looks on a background with the CIELCh color 67, 82.124, 58.371.

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, 82.124, 58.371

Protanopia

67, 64.044, 95.281

Deuteranopia

67, 71.569, 83.129



Tritanopia
67, 55.521, 21.520

Trichromacy



Original Color
67, 82.124, 58.371

Protanomaly
66, 66.559, 79.177

Deuteranomaly
67, 73.656, 73.066

Tritanomaly
67, 63.063, 40.561

Monochromacy



Original Color
67, 82.124, 58.371

Achromatopsia
64, 0.008, 296.813

Achromatomaly
63, 29.564, 63.842

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 82.124, 58.371 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, 128, 24)` looks like.

```
.text, #text, p{  
    color:rgb(255, 128, 24)  
}
```

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, 128, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 128, 24) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 82.124, 58.371 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, 128, 24) }
```

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

```
.border{ border-color:rgb(255, 128, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 128, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 128, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 128, 24);  
box-shadow:4px 4px 4px 4px rgb(255, 128,  
24) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 82.124, 58.371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 128, 24) }
```

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

```
.background{ background-color: rgb(255,  
128, 24) }
```

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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