

Converting Colors

CIELCh(68, 78.267, 58.015)

Have a look what the booklet for
CIELCh(68, 78.267, 58.015) contains.

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Color

CIELCh(68, 78.294, 58.119)

Conversions

Conversions Part 1

Format	Color
Hex	FF8426
RGB	255, 132, 38
RGB Percent	100%, 52%, 15%
CMY	0.0000, 0.4818, 0.8504
CMYK	0.00, 0.48, 0.85, 0.00
HSL	26°, 100%, 57%
HSV	26°, 85%, 100%
XYZ	49.9232, 37.9720, 6.5448
YIQ	158.0610, 103.4820, -3.1580

Conversions

Conversions Part 2

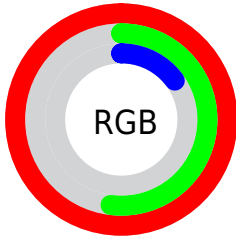
Format	Color
R_{YB}	255, 204, 38
Decimal	16745510
CIE Lab	68.00, 41.35, 66.48
CIE LCh	68, 78.294, 58.119
Yxy	37.9720, 0.5286, 0.4021
Android (android.graphics.Color)	4294935590 (0xFFFF8426)
YUV	158.0610, -59.1901, 85.0155
Hunter-Lab	61.6215, 36.7758, 36.8379

Details

The CIELCh color **68, 78.294, 58.119** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **64, 55.589, 270.430**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 58.149, 74.786**, and **48, 71.346, 54.323** is the 20% darker color. If you saturate the color by 10%, you get **65, 85.611, 55.964**, and if you desaturate by 10%, it is **71, 68.794, 59.629**.

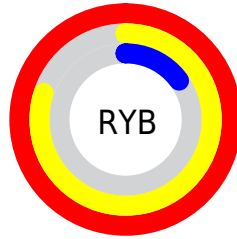
Distribution



Red (100%)

Green (52%)

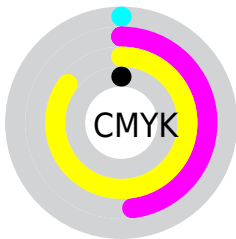
Blue (15%)



Red (100%)

Yellow (80%)

Blue (15%)

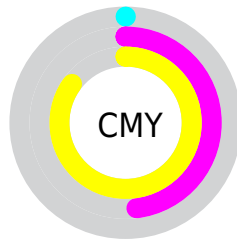


Cyan (0%)

Magenta (48%)

Yellow (85%)

Black (0%)



Cyan (0%)

Magenta (48%)

Yellow (85%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 78.294, 58.119 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 68, 78.294, 58.119 by changing the saturation by 10% instead.

 68, 78.294, 58.119

 68, 78.294, 58.119

 100, 78.294,
58.119

 58, 78.294, 58.119

 88, 78.294, 58.119

 48, 78.294, 58.119

 98, 78.294, 58.119

 38, 78.294, 58.119

 28, 78.294, 58.119

 18, 78.294, 58.119

 8, 78.294, 58.119

 0, 78.294, 58.119

 68, 78.294, 58.119

 68, 78.294, 58.119

 65, 85.611, 55.964

 71, 68.794, 59.629

64, 88.447, 54.650

75, 58.582, 60.797

78, 48.349, 61.863

82, 38.450, 62.916

86, 29.031, 63.986

90, 20.131, 65.075

94, 11.737, 66.168

98, 3.817, 67.195

100, 0.012,
296.813

Harmonies

Complementary

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



68, 78.294, 58.119



64, 55.589, 270.430

Rectangle

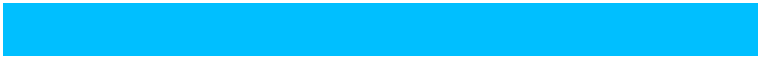
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68, 78.294, 58.119



68, 78.294, 108.119



68, 78.294, 238.119



68, 78.294, 288.119

Sweetspot

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



68, 78.234, 58.151



89, 20.966, 64.969



57, 84.117, 351.807



46, 14.361, 64.591



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 78.234, 58.151



64, 88.447, 54.650



93, 88.392, 99.203



51, 4.367, 66.760



49, 70.875, 55.350



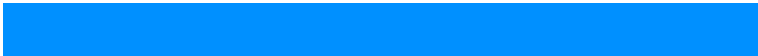
15, 27.228, 55.318

Inverse Universe

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



64, 55.589, 270.430



59, 64.192, 277.763



38, 117.592, 303.404



51, 4.226, 249.105



45, 50.909, 276.846



13, 21.070, 269.820

Previews

White Background



This preview shows how the CIELCh color 68, 78.294, 58.119 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 68, 78.294, 58.119 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 68, 78.294, 58.119

Background



This preview shows how black text looks on a background with the CIELCh color 68, 78.294, 58.119.



This preview shows how white text looks on a background with the CIELCh color 68, 78.294, 58.119.

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

68, 78.294, 58.119

Protanopia

68, 60.572, 95.280

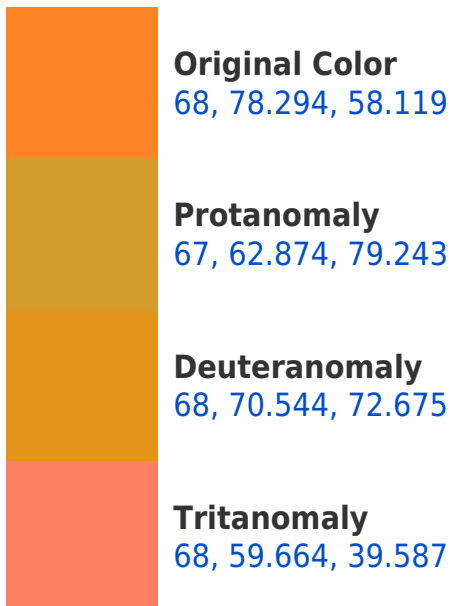
Deuteranopia

68, 68.665, 82.360



Tritanopia
68, 53.202, 20.890

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 78.294, 58.119 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, 132, 38)` looks like.

```
.text, #text, p{  
    color:rgb(255, 132, 38)  
}
```

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, 132, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 132, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 78.294, 58.119 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, 132, 38) }
```

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

```
.border{ border-color:rgb(255, 132, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 132, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 132, 38); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 132, 38); box-shadow:4px 4px 4px 4px rgb(255, 132, 38) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 78.294, 58.119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 132, 38) }
```

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

```
.background{ background-color: rgb(255,  
132, 38) }
```

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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