

Converting Colors

CIELCh(68, 76.612, 66.291)

Have a look what the booklet for
CIELCh(68, 76.612, 66.291) contains.

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Color

CIELCh(68, 76.580, 66.236)

Conversions

Conversions Part 1

Format	Color
Hex	F18D17
RGB	241, 141, 23
RGB Percent	95%, 55%, 9%
CMY	0.0534, 0.4458, 0.9118
CMYK	0.00, 0.41, 0.91, 0.05
HSL	33°, 89%, 52%
HSV	33°, 91%, 95%
XYZ	46.1284, 37.9720, 5.6825
YIQ	157.4480, 97.4780, -15.4980

Conversions

Conversions Part 2

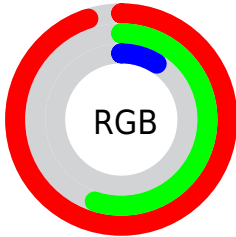
Format	Color
R _Y B	208, 241, 23
Decimal	15830295
CIE Lab	68.00, 30.86, 70.09
CIE LCh	68, 76.580, 66.236
Yxy	37.9720, 0.5138, 0.4229
Android (android.graphics.Color)	4294020375 (0xFFFF18D17)
YUV	157.4480, -66.2829, 73.2751
Hunter-Lab	61.6215, 25.7836, 37.6675

Details

The CIELCh color **68, 76.580, 66.236** 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 **53, 69.214, 284.746**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 63.453, 80.457**, and **48, 64.907, 61.166** is the 20% darker color. If you saturate the color by 10%, you get **66, 80.710, 63.567**, and if you desaturate by 10%, it is **71, 69.888, 68.478**.

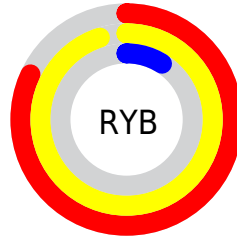
Distribution



Red (95%)

Green (55%)

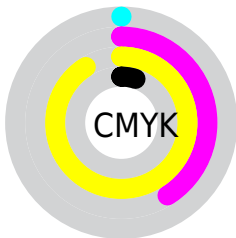
Blue (9%)



Red (82%)

Yellow (95%)

Blue (9%)

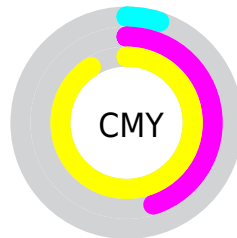


Cyan (0%)

Magenta (41%)

Yellow (91%)

Black (5%)



Cyan (5%)

Magenta (45%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 76.580, 66.236 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, 76.580, 66.236 by changing the saturation by 10% instead.

68, 76.580, 66.236

68, 76.580, 66.236

100, 76.580,
66.236

58, 76.580, 66.236

88, 76.580, 66.236

48, 76.580, 66.236

98, 76.580, 66.236

38, 76.580, 66.236

28, 76.580, 66.236

18, 76.580, 66.236

8, 76.580, 66.236

0, 76.580, 66.236

68, 76.580, 66.236

68, 76.580, 66.236

66, 80.710, 63.567

71, 69.888, 68.478

73, 61.501, 70.243

76, 52.383, 71.775

79, 43.113, 73.202

82, 33.985, 74.579

85, 25.131, 75.926

88, 16.601, 77.244

92, 8.401, 78.520

95, 0.515, 79.083

Harmonies

Complementary

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



68, 76.580, 66.236



53, 69.214, 284.746

Rectangle

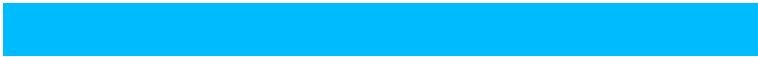
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68, 76.580, 66.236



68, 76.580, 116.236



68, 76.580, 246.236



68, 76.580, 296.236

Sweetspot

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



68, 76.578, 66.239



91, 22.958, 76.404



53, 79.523, 1.936



47, 15.576, 75.949



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, 76.578, 66.239



69, 84.173, 63.448



92, 91.054, 104.939



48, 4.434, 78.669



51, 65.570, 64.255



14, 23.494, 65.743

Inverse Universe

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



53, 69.214, 284.746



52, 80.213, 288.894



32, 123.297, 305.724



48, 4.364, 261.236



37, 61.367, 287.975



9, 23.055, 280.662

Previews

White Background



This preview shows how the CIELCh color 68, 76.580, 66.236 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, 76.580, 66.236 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, 76.580, 66.236

Background



This preview shows how black text looks on a background with the CIELCh color 68, 76.580, 66.236.



This preview shows how white text looks on a background with the CIELCh color 68, 76.580, 66.236.

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, 76.382, 66.158

Protanopia

68, 66.188, 95.434

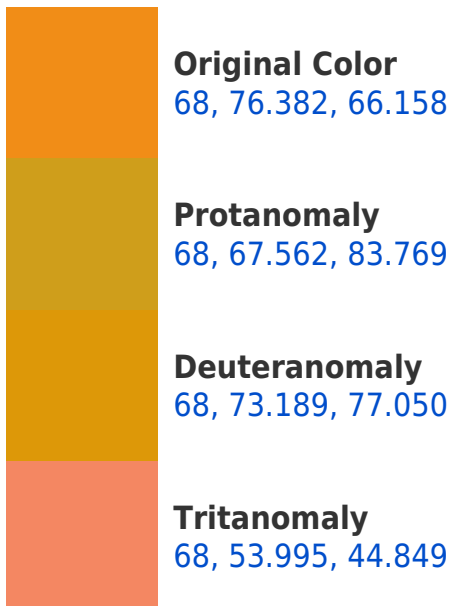
Deuteranopia

68, 72.421, 83.439



Tritanopia
68, 46.719, 18.685

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 76.580, 66.236 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(241, 141, 23)` looks like.

```
.text, #text, p{  
    color:rgb(241, 141, 23)  
}
```

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(241, 141, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 141, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 76.580, 66.236 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(241, 141, 23) }
```

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

```
.border{ border-color:rgb(241, 141, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 141, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 141, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 141, 23);  
box-shadow:4px 4px 4px 4px rgb(241, 141,  
23) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 76.580, 66.236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 141, 23) }
```

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

```
.background{ background-color: rgb(241,  
141, 23) }
```

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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