

Converting Colors

CIELCh(66, 81.487, 63.231)

Have a look what the booklet for
CIELCh(66, 81.487, 63.231) contains.

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Color

CIELCh(66, 81.228, 63.220)

Conversions

Conversions Part 1

Format	Color
Hex	F38300
RGB	243, 131, 0
RGB Percent	95%, 51%, 0%
CMY	0.0467, 0.4860, 0.9993
CMYK	0.00, 0.46, 1.00, 0.05
HSL	32°, 100%, 48%
HSV	32°, 100%, 95%
XYZ	45.1210, 35.3238, 4.4447
YIQ	149.5540, 108.8030, -16.9970

Conversions

Conversions Part 2

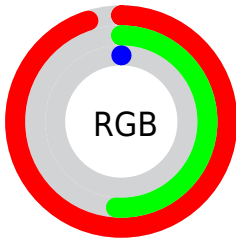
Format	Color
R_{YB}	208, 243, 0
Decimal	15958784
CIE Lab	66.00, 36.60, 72.52
CIE LCh	66, 81.228, 63.220
Yxy	35.3238, 0.5315, 0.4161
Android (android.graphics.Color)	4294148864 (0xFFFF38300)
YUV	149.5540, -73.7301, 81.9521
Hunter-Lab	59.4338, 31.5045, 37.1698

Details

The CIELCh color **66, 81.228, 63.220** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark saturated orange. A complement of this color would be **50, 76.503, 288.415**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **80, 66.387, 76.789**, and **46, 67.291, 56.326** is the 20% darker color. If you saturate the color by 10%, you get **66, 81.256, 63.203**, and if you desaturate by 10%, it is **68, 76.642, 66.071**.

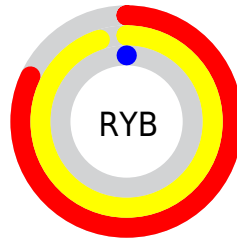
Distribution



Red (95%)

Green (51%)

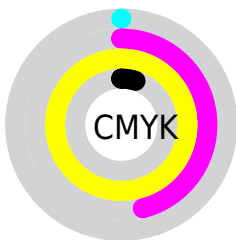
Blue (0%)



Red (82%)

Yellow (95%)

Blue (0%)

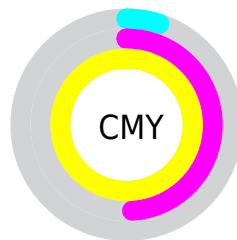


Cyan (0%)

Magenta (46%)

Yellow (100%)

Black (5%)



Cyan (5%)

Magenta (49%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 81.228, 63.220 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 66, 81.228, 63.220 by changing the saturation by 10% instead.

 66, 81.228, 63.220

 66, 81.228, 63.220

 100, 81.228,
63.220

 56, 81.228, 63.220

 86, 81.228, 63.220

 46, 81.228, 63.220

 96, 81.228, 63.220

 36, 81.228, 63.220

 26, 81.228, 63.220

 16, 81.228, 63.220

 6, 81.228, 63.220

 0, 81.228, 63.220

 66, 81.228, 63.220

 66, 81.228, 63.220

 66, 81.256, 63.203

 68, 76.642, 66.071

71, 69.702, 68.260

74, 61.150, 69.993

77, 51.931, 71.507

80, 42.601, 72.922

83, 33.438, 74.290

86, 24.564, 75.631

89, 16.025, 76.943

93, 7.821, 78.211

Harmonies

Complementary

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



66, 81.228, 63.220



50, 76.503, 288.415

Rectangle

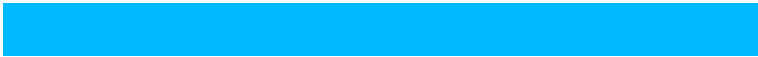
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66, 81.228, 63.220



66, 81.228, 113.220



66, 81.228, 243.220



66, 81.228, 293.220

Sweetspot

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



66, 81.226, 63.222



90, 25.603, 75.611



52, 81.413, 6.052



46, 17.619, 75.048



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



66, 81.226, 63.222



69, 84.288, 63.100



92, 93.541, 104.949



49, 4.498, 78.265



51, 66.339, 63.870



15, 24.691, 65.486

Inverse Universe

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



50, 76.503, 288.415



52, 79.597, 288.561



31, 128.876, 306.352



48, 4.424, 260.836



38, 61.589, 287.681



10, 23.755, 280.734

Previews

White Background



This preview shows how the CIELCh color 66, 81.228, 63.220 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 66, 81.228, 63.220 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 66, 81.228, 63.220

Background



This preview shows how black text looks on a background with the CIELCh color 66, 81.228, 63.220.



This preview shows how white text looks on a background with the CIELCh color 66, 81.228, 63.220.

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

66, 81.228, 63.220

Protanopia

66, 66.432, 95.191

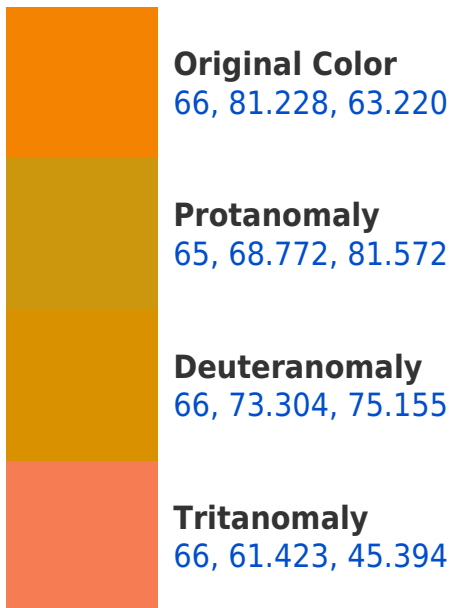
Deuteranopia

66, 70.646, 83.608



Tritanopia
66, 51.831, 20.728

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 81.228, 63.220 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(243, 131, 0)` looks like.

```
.text, #text, p{  
    color:rgb(243, 131, 0)  
}
```

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(243, 131, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 131, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 81.228, 63.220 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(243, 131, 0) }
```

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

```
.border{ border-color:rgb(243, 131, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 131, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 131, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 131, 0);  
box-shadow:4px 4px 4px 4px rgb(243, 131,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 81.228, 63.220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 131, 0) }
```

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

```
.background{ background-color: rgb(243,  
131, 0) }
```

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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