

Converting Colors

CIELCh(66, 76.501, 61.589)

Have a look what the booklet for
CIELCh(66, 76.501, 61.589) contains.

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Color

CIELCh(66, 76.458, 61.466)

Conversions

Conversions Part 1

Format	Color
Hex	F2831C
RGB	242, 131, 28
RGB Percent	95%, 51%, 11%
CMY	0.0497, 0.4852, 0.8888
CMYK	0.00, 0.46, 0.88, 0.05
HSL	29°, 89%, 53%
HSV	29°, 88%, 95%
XYZ	45.0946, 35.3238, 5.5620
YIQ	152.4470, 99.2190, -8.5010

Conversions

Conversions Part 2

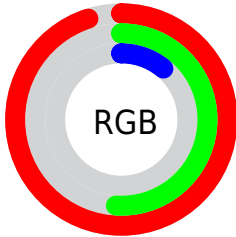
Format	Color
R _Y B	242, 227, 28
Decimal	15893276
CIE Lab	66.00, 36.52, 67.17
CIE LCh	66, 76.458, 61.466
Yxy	35.3238, 0.5245, 0.4108
Android (android.graphics.Color)	4294083356 (0xFFFF2831C)
YUV	152.4470, -61.3524, 78.5380
Hunter-Lab	59.4338, 31.4252, 36.0552

Details

The CIELCh color **66, 76.458, 61.466** 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 **57, 60.220, 277.524**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **80, 61.235, 75.015**, and **46, 66.923, 56.527** is the 20% darker color. If you saturate the color by 10%, you get **63, 82.140, 58.811**, and if you desaturate by 10%, it is **69, 68.455, 63.375**.

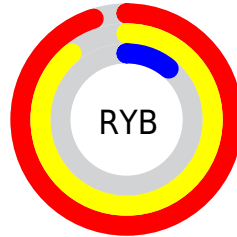
Distribution



Red (95%)

Green (51%)

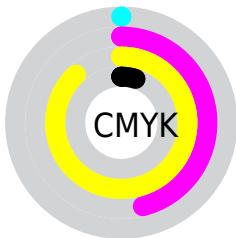
Blue (11%)



Red (95%)

Yellow (89%)

Blue (11%)

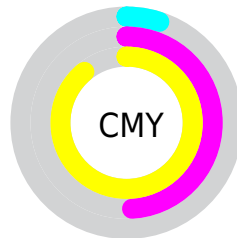


Cyan (0%)

Magenta (46%)

Yellow (88%)

Black (5%)



Cyan (5%)

Magenta (49%)

Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 76.458, 61.466 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, 76.458, 61.466 by changing the saturation by 10% instead.

66, 76.458, 61.466

66, 76.458, 61.466

100, 76.458,
61.466

56, 76.458, 61.466

86, 76.458, 61.466

46, 76.458, 61.466

96, 76.458, 61.466

36, 76.458, 61.466

26, 76.458, 61.466

16, 76.458, 61.466

6, 76.458, 61.466

0, 76.458, 61.466

66, 76.458, 61.466

66, 76.458, 61.466

63, 82.140, 58.811

69, 68.455, 63.375

63, 83.016, 58.357

72, 59.235, 64.862

75, 49.673, 66.172

78, 40.229, 67.420

82, 31.114, 68.650

85, 22.407, 69.876

89, 14.123, 71.092

93, 6.245, 72.269

96, 1.259, 253.888

Harmonies

Complementary

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



66, 76.458, 61.466



57, 60.220, 277.524

Rectangle

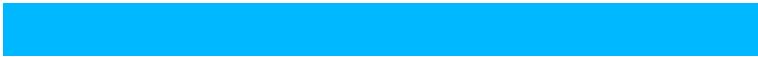
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66, 76.458, 61.466



66, 76.458, 111.466



66, 76.458, 241.466



66, 76.458, 291.466

Sweetspot

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



66, 76.456, 61.469



90, 21.332, 70.148



54, 80.628, 355.348



47, 14.591, 69.724



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, 76.456, 61.469



66, 86.342, 58.244



91, 88.295, 101.096



49, 4.325, 72.134



49, 67.848, 59.033



14, 24.649, 59.494

Inverse Universe

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



57, 60.220, 277.524



56, 70.860, 283.124



34, 119.474, 304.717



49, 4.217, 254.618



41, 54.897, 282.166



11, 21.433, 274.715

Previews

White Background



This preview shows how the CIELCh color 66, 76.458, 61.466 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, 76.458, 61.466 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, 76.458, 61.466

Background



This preview shows how black text looks on a background with the CIELCh color 66, 76.458, 61.466.



This preview shows how white text looks on a background with the CIELCh color 66, 76.458, 61.466.

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, 76.458, 61.466

Protanopia

66, 62.369, 95.125

Deuteranopia

66, 70.403, 83.134



Tritanopia
66, 51.731, 20.136

Trichromacy



Original Color
66, 76.458, 61.466

Protanomaly
65, 64.141, 80.992

Deuteranomaly
66, 71.606, 74.616

Tritanomaly
66, 57.612, 41.079

Monochromacy



Original Color
66, 76.458, 61.466

Achromatopsia
63, 0.008, 296.813

Achromatomaly
63, 27.332, 68.277

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 76.458, 61.466 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(242, 131, 28)` looks like.

```
.text, #text, p{  
    color:rgb(242, 131, 28)  
}
```

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(242, 131, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 131, 28) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 76.458, 61.466 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(242, 131, 28) }
```

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

```
.border{ border-color:rgb(242, 131, 28) }
```

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

Here you see how a box with a 4 pixel rgb(242, 131, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 131, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 131, 28);  
box-shadow:4px 4px 4px 4px rgb(242, 131,  
28) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 76.458, 61.466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 131, 28) }
```

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

```
.background{ background-color: rgb(242,  
131, 28) }
```

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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