

Converting Colors

CIELCh(66, 82.874, 57.491)

Have a look what the booklet for
CIELCh(66, 82.874, 57.491) contains.

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Color

CIELCh(66, 82.762, 57.716)

Conversions

Conversions Part 1

Format	Color
Hex	FD7C14
RGB	253, 124, 20
RGB Percent	99%, 49%, 8%
CMY	0.0081, 0.5139, 0.9218
CMYK	0.00, 0.51, 0.92, 0.01
HSL	27°, 98%, 54%
HSV	27°, 92%, 99%
XYZ	47.8124, 35.3238, 4.9565
YIQ	150.7150, 110.2680, -4.9960

Conversions

Conversions Part 2

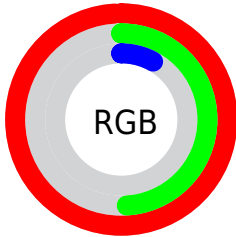
Format	Color
R _Y B	253, 208, 20
Decimal	16612372
CIE Lab	66.00, 44.20, 69.97
CIE LCh	66, 82.762, 57.716
Yxy	35.3238, 0.5428, 0.4010
Android (android.graphics.Color)	4294802452 (0xFFFD7C14)
YUV	150.7150, -64.4425, 89.7039
Hunter-Lab	59.4338, 39.5877, 36.6592

Details

The CIELCh color **66, 82.762, 57.716** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed orange. A complement of this color would be **61, 60.725, 275.461**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **78, 62.591, 72.118**, and **46, 72.242, 51.848** is the 20% darker color. If you saturate the color by 10%, you get **64, 87.291, 55.612**, and if you desaturate by 10%, it is **69, 74.852, 59.726**.

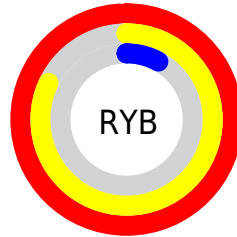
Distribution



Red (99%)

Green (49%)

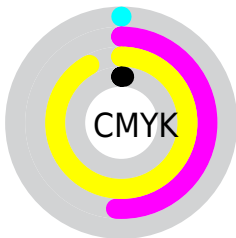
Blue (8%)



Red (99%)

Yellow (82%)

Blue (8%)

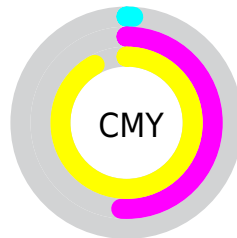


Cyan (0%)

Magenta (51%)

Yellow (92%)

Black (1%)



Cyan (1%)

Magenta (51%)

Yellow (92%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 82.762, 57.716 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, 82.762, 57.716 by changing the saturation by 10% instead.

 66, 82.762, 57.716

 66, 82.762, 57.716

 100, 82.762,
57.716

 56, 82.762, 57.716

 86, 82.762, 57.716

 46, 82.762, 57.716

 96, 82.762, 57.716

 36, 82.762, 57.716

 26, 82.762, 57.716

 16, 82.762, 57.716

 6, 82.762, 57.716

 0, 82.762, 57.716

 66, 82.762, 57.716

 66, 82.762, 57.716

 64, 87.291, 55.612

 69, 74.852, 59.726

72, 65.284, 61.162

75, 55.180, 62.358

79, 45.154, 63.478

83, 35.488, 64.590

86, 26.293, 65.713

90, 17.593, 66.846

94, 9.370, 67.970

98, 1.589, 68.859

Harmonies

Complementary

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



66, 82.762, 57.716



61, 60.725, 275.461

Rectangle

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



66, 82.762, 57.716



66, 82.762, 107.716



66, 82.762, 237.716



66, 82.762, 287.716

Sweetspot

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



66, 82.759, 57.718



89, 22.799, 66.178



56, 85.039, 353.891



46, 15.938, 65.689



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, 82.759, 57.718



64, 87.841, 55.595



92, 90.350, 98.766



51, 4.392, 68.255



49, 70.407, 56.300



15, 27.158, 56.563

Inverse Universe

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



61, 60.725, 275.461



58, 65.961, 279.319



35, 124.444, 304.707



51, 4.259, 250.648



44, 52.288, 278.416



13, 21.558, 271.471

Previews

White Background



This preview shows how the CIELCh color 66, 82.762, 57.716 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, 82.762, 57.716 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, 82.762, 57.716

Background



This preview shows how black text looks on a background with the CIELCh color 66, 82.762, 57.716.



This preview shows how white text looks on a background with the CIELCh color 66, 82.762, 57.716.

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, 82.762, 57.716

Protanopia

66, 63.821, 95.154

Deuteranopia

66, 70.646, 83.608



Tritanopia
66, 57.507, 22.559

Trichromacy



Original Color
66, 82.762, 57.716

Protanomaly
65, 66.389, 78.941

Deuteranomaly
66, 73.139, 72.697

Tritanomaly
66, 64.772, 41.250

Monochromacy



Original Color
66, 82.762, 57.716

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 30.135, 64.398

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 82.762, 57.716 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(253, 124, 20)` looks like.

```
.text, #text, p{  
    color:rgb(253, 124, 20)  
}
```

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(253, 124, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 124, 20) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 82.762, 57.716 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(253, 124, 20) }
```

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

```
.border{ border-color:rgb(253, 124, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 124, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 124, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 124, 20);  
box-shadow:4px 4px 4px 4px rgb(253, 124,  
20) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 82.762, 57.716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 124, 20) }
```

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

```
.background{ background-color: rgb(253,  
124, 20) }
```

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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