

Converting Colors

CIELCh(66, 83.038, 57.384)

Have a look what the booklet for
CIELCh(66, 83.038, 57.384) contains.

CIELCh(66, 83.260, 57.224)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(66, 83.260, 57.224)

Conversions

Conversions Part 1

Format	Color
Hex	FE7B14
RGB	254, 123, 20
RGB Percent	100%, 48%, 8%
CMY	0.0036, 0.5173, 0.9211
CMYK	0.00, 0.52, 0.92, 0.00
HSL	26°, 99%, 54%
HSV	26°, 92%, 100%
XYZ	48.1265, 35.3238, 4.9489
YIQ	150.4270, 111.1390, -4.2610

Conversions

Conversions Part 2

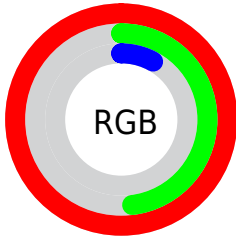
Format	Color
RYB	254, 204, 20
Decimal	16677652
CIELab	66.00, 45.07, 70.00
CIELCh	66, 83.260, 57.224
Yxy	35.3238, 0.5444, 0.3996
Android (android.graphics.Color)	4294867732 (0xFFFE7B14)
YUV	150.4270, -64.3005, 90.8335
Hunter-Lab	59.4338, 40.5309, 36.6668

Details

The CIELCh color **66, 83.260, 57.224** 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, 60.177, 274.671**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **78, 62.591, 72.118**, and **46, 73.040, 51.063** is the 20% darker color. If you saturate the color by 10%, you get **64, 87.893, 55.135**, and if you desaturate by 10%, it is **69, 75.227, 59.194**.

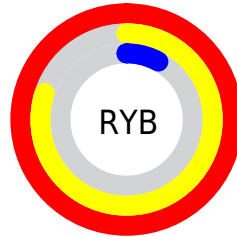
Distribution



Red (100%)

Green (48%)

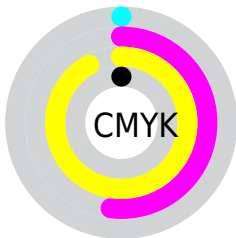
Blue (8%)



Red (100%)

Yellow (80%)

Blue (8%)

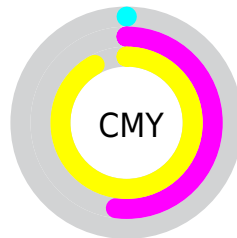


Cyan (0%)

Magenta (52%)

Yellow (92%)

Black (0%)



Cyan (0%)

Magenta (52%)

Yellow (92%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 83.260, 57.224 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, 83.260, 57.224 by changing the saturation by 10% instead.

 66, 83.260, 57.224

 66, 83.260, 57.224

 100, 83.260,
57.224

 56, 83.260, 57.224

 86, 83.260, 57.224

 46, 83.260, 57.224

 96, 83.260, 57.224

 36, 83.260, 57.224

 26, 83.260, 57.224

 16, 83.260, 57.224

 6, 83.260, 57.224

 0, 83.260, 57.224

 66, 83.260, 57.224

 66, 83.260, 57.224

 64, 87.893, 55.135

 69, 75.227, 59.194

72, 65.549, 60.590

76, 55.357, 61.751

79, 45.262, 62.840

83, 35.545, 63.925

87, 26.311, 65.026

91, 17.585, 66.139

95, 9.347, 67.247

99, 1.560, 68.112

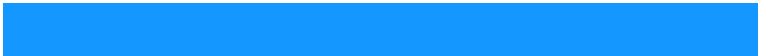
Harmonies

Complementary

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



66, 83.260, 57.224



61, 60.177, 274.671

Rectangle

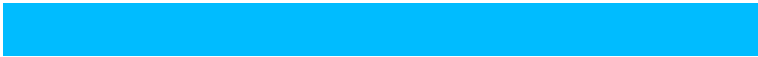
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66, 83.260, 57.224



66, 83.260, 107.224



66, 83.260, 237.224



66, 83.260, 287.224

Sweetspot

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



66, 83.257, 57.226



89, 22.755, 65.479



56, 85.331, 353.885



46, 15.911, 64.999



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, 83.257, 57.226



64, 88.136, 55.128



93, 90.657, 98.767



51, 4.379, 67.523



49, 70.634, 55.830



15, 27.191, 55.950

Inverse Universe

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



61, 60.177, 274.671



59, 65.087, 278.565



35, 124.858, 304.705



51, 4.242, 249.894



45, 51.607, 277.654



13, 21.317, 270.668

Previews

White Background



This preview shows how the CIELCh color 66, 83.260, 57.224 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, 83.260, 57.224 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, 83.260, 57.224

Background



This preview shows how black text looks on a background with the CIELCh color 66, 83.260, 57.224.



This preview shows how white text looks on a background with the CIELCh color 66, 83.260, 57.224.

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, 83.260, 57.224

Protanopia

66, 63.821, 95.154

Deuteranopia

66, 70.646, 83.608



Tritanopia
66, 57.507, 22.559

Trichromacy



Original Color
66, 83.260, 57.224

Protanomaly
65, 66.527, 78.102

Deuteranomaly
66, 73.403, 72.411

Tritanomaly
66, 65.398, 40.759

Monochromacy



Original Color
66, 83.260, 57.224

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, 83.260, 57.224 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(254, 123, 20)` looks like.

```
.text, #text, p{  
    color:rgb(254, 123, 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(254, 123, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 123, 20) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 83.260, 57.224 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(254, 123, 20) }
```

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

```
.border{ border-color:rgb(254, 123, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 123, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 123, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 123, 20);  
box-shadow:4px 4px 4px 4px rgb(254, 123,  
20) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 83.260, 57.224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 123, 20) }
```

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

```
.background{ background-color: rgb(254,  
123, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor