

Converting Colors

CIELCh(67, 80.467, 56.321)

Have a look what the booklet for
CIELCh(67, 80.467, 56.321) contains.

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Color

CIELCh(67, 80.133, 56.503)

Conversions

Conversions Part 1

Format	Color
Hex	FF7F23
RGB	255, 127, 35
RGB Percent	100%, 50%, 14%
CMY	0.0000, 0.5032, 0.8636
CMYK	0.00, 0.50, 0.86, 0.00
HSL	25°, 100%, 57%
HSV	25°, 86%, 100%
XYZ	49.3916, 36.6320, 6.0408
YIQ	154.7840, 105.8200, -1.4760

Conversions

Conversions Part 2

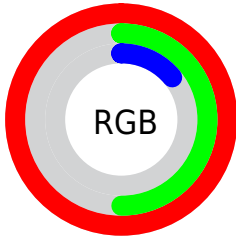
Format	Color
R _Y B	255, 193, 35
Decimal	16744227
CIE Lab	67.00, 44.22, 66.82
CIE LCh	67, 80.133, 56.503
Yxy	36.6320, 0.5365, 0.3979
Android (android.graphics.Color)	4294934307 (0xFFFF7F23)
YUV	154.7840, -59.0535, 87.8894
Hunter-Lab	60.5244, 39.7494, 36.4495

Details

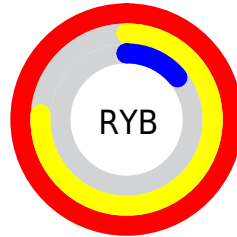
The CIELCh color **67, 80.133, 56.503** is a dark color, and the websafe version is hex **FF6600**. The color can be described as middle washed orange. A complement of this color would be **65, 54.739, 268.943**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **79, 58.869, 72.514**, and **47, 72.361, 52.567** is the 20% darker color. If you saturate the color by 10%, you get **64, 87.058, 54.428**, and if you desaturate by 10%, it is **70, 70.385, 58.070**.

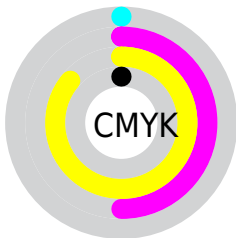
Distribution



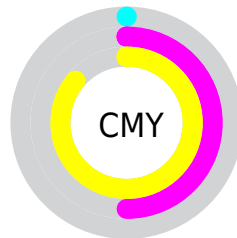
- Red (100%)
- Green (50%)
- Blue (14%)



- Red (100%)
- Yellow (76%)
- Blue (14%)



- Cyan (0%)
- Magenta (50%)
- Yellow (86%)
- Black (0%)



- Cyan (0%)
- Magenta (50%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 80.133, 56.503 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 67, 80.133, 56.503 by changing the saturation by 10% instead.

67, 80.133, 56.503

67, 80.133, 56.503

100, 80.133,
56.503

57, 80.133, 56.503

87, 80.133, 56.503

47, 80.133, 56.503

97, 80.133, 56.503

37, 80.133, 56.503

27, 80.133, 56.503

17, 80.133, 56.503

7, 80.133, 56.503

0, 80.133, 56.503

67, 80.133, 56.503

67, 80.133, 56.503

64, 87.058, 54.428

70, 70.385, 58.070

63, 89.224, 53.522

73, 60.068, 59.158

77, 49.707, 60.139

81, 39.688, 61.111

85, 30.169, 62.110

89, 21.193, 63.138

93, 12.751, 64.182

97, 4.806, 65.187

100, 0.012,
296.813

Harmonies

Complementary

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



67, 80.133, 56.503



65, 54.739, 268.943

Rectangle

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



67, 80.133, 56.503



67, 80.133, 106.503



67, 80.133, 236.503



67, 80.133, 286.503

Sweetspot

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



67, 79.837, 56.637



89, 20.882, 63.175



57, 85.123, 350.894



46, 14.310, 62.816



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



67, 79.837, 56.637



63, 89.224, 53.522



92, 87.963, 98.040



51, 4.340, 64.885



48, 71.476, 54.213



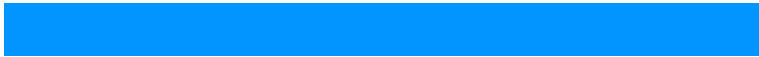
15, 27.331, 53.799

Inverse Universe

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



65, 54.739, 268.943



60, 62.066, 275.735



38, 117.427, 303.243



51, 4.189, 247.161



46, 49.254, 274.802



14, 20.490, 267.688

Previews

White Background



This preview shows how the CIELCh color 67, 80.133, 56.503 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 67, 80.133, 56.503 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 67, 80.133, 56.503

Background



This preview shows how black text looks on a background with the CIELCh color 67, 80.133, 56.503.



This preview shows how white text looks on a background with the CIELCh color 67, 80.133, 56.503.

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

67, 79.738, 56.719

Protanopia

67, 60.791, 95.634

Deuteranopia

67, 69.392, 83.140



Tritanopia
67, 55.639, 22.066

Trichromacy



Original Color
67, 79.738, 56.719

Protanomaly
66, 62.972, 78.160

Deuteranomaly
67, 71.554, 72.412

Tritanomaly
67, 62.201, 39.363

Monochromacy



Original Color
67, 79.738, 56.719

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 27.926, 62.438

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 80.133, 56.503 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(255, 127, 35)` looks like.

```
.text, #text, p{  
    color:rgb(255, 127, 35)  
}
```

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(255, 127, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 127, 35) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 80.133, 56.503 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(255, 127, 35) }
```

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

```
.border{ border-color:rgb(255, 127, 35) }
```

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

Here you see how a box with a 4 pixel rgb(255, 127, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 127, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 127, 35);  
box-shadow:4px 4px 4px 4px rgb(255, 127,  
35) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 80.133, 56.503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 127, 35) }
```

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

```
.background{ background-color: rgb(255,  
127, 35) }
```

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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