

Converting Colors

CIELCh(67, 79.463, 56.664)

Have a look what the booklet for
CIELCh(67, 79.463, 56.664) contains.

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Color

CIELCh(67, 79.479, 56.578)

Conversions

Conversions Part 1

Format	Color
Hex	FF7F24
RGB	255, 127, 36
RGB Percent	100%, 50%, 14%
CMY	0.0000, 0.5014, 0.8582
CMYK	0.00, 0.50, 0.86, 0.00
HSL	25°, 100%, 57%
HSV	25°, 86%, 100%
XYZ	49.2267, 36.6320, 6.1574
YIQ	154.8980, 105.4990, -1.1650

Conversions

Conversions Part 2

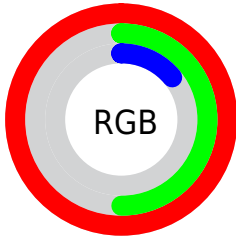
Format	Color
R _Y B	255, 192, 36
Decimal	16744228
CIE Lab	67.00, 43.78, 66.34
CIE LCh	67, 79.479, 56.578
Yxy	36.6320, 0.5350, 0.3981
Android (android.graphics.Color)	4294934308 (0xFFFF7F24)
YUV	154.8980, -58.6167, 87.7895
Hunter-Lab	60.5244, 39.2632, 36.3352

Details

The CIELCh color **67, 79.479, 56.578** 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, 54.306, 268.474**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **79, 58.454, 72.325**, and **47, 72.361, 52.567** is the 20% darker color. If you saturate the color by 10%, you get **64, 86.818, 54.462**, and if you desaturate by 10%, it is **70, 69.871, 58.000**.

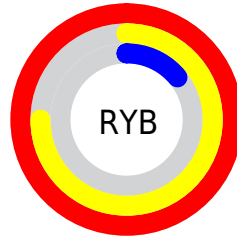
Distribution



Red (100%)

Green (50%)

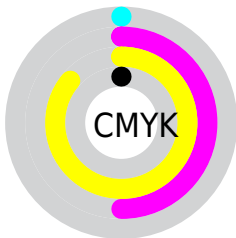
Blue (14%)



Red (100%)

Yellow (75%)

Blue (14%)

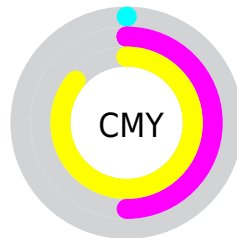


Cyan (0%)

Magenta (50%)

Yellow (86%)

Black (0%)



Cyan (0%)

Magenta (50%)

Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 79.479, 56.578 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, 79.479, 56.578 by changing the saturation by 10% instead.

67, 79.479, 56.578

67, 79.479, 56.578

100, 79.479,
56.578

57, 79.479, 56.578

87, 79.479, 56.578

47, 79.479, 56.578

97, 79.479, 56.578

37, 79.479, 56.578

27, 79.479, 56.578

17, 79.479, 56.578

7, 79.479, 56.578

0, 79.479, 56.578

67, 79.479, 56.578

67, 79.479, 56.578

64, 86.818, 54.462

70, 69.871, 58.000

63, 89.300, 53.415

74, 59.522, 59.068

77, 49.162, 60.037

81, 39.161, 61.003

85, 29.667, 61.996

89, 20.720, 63.019

93, 12.306, 64.058

97, 4.390, 65.050

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, 79.479, 56.578



65, 54.306, 268.474

Rectangle

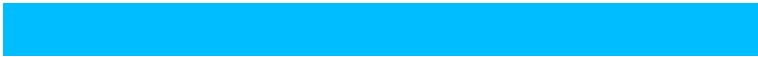
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67, 79.479, 56.578



67, 79.479, 106.578



67, 79.479, 236.578



67, 79.479, 286.578

Sweetspot

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



67, 79.419, 56.606



89, 20.875, 63.001



57, 85.664, 349.510



46, 14.306, 62.644



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, 79.419, 56.606



63, 89.300, 53.415



92, 86.756, 96.976



51, 4.337, 64.703



48, 71.535, 54.105



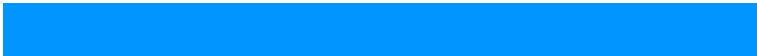
15, 27.342, 53.654

Inverse Universe

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



65, 54.306, 268.474



61, 61.865, 275.533



39, 114.941, 302.658



51, 4.186, 246.972



46, 49.097, 274.598



14, 20.435, 267.476

Previews

White Background



This preview shows how the CIELCh color 67, 79.479, 56.578 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, 79.479, 56.578 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, 79.479, 56.578

Background



This preview shows how black text looks on a background with the CIELCh color 67, 79.479, 56.578.



This preview shows how white text looks on a background with the CIELCh color 67, 79.479, 56.578.

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, 79.479, 56.578

Protanopia

67, 60.442, 95.626

Deuteranopia

67, 68.693, 83.018



Tritanopia
67, 55.521, 21.520

Trichromacy



Original Color
67, 79.479, 56.578

Protanomaly
66, 62.749, 78.590

Deuteranomaly
67, 70.909, 72.201

Tritanomaly
67, 61.920, 38.954

Monochromacy



Original Color
67, 79.479, 56.578

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 27.512, 61.721

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 79.479, 56.578 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, 36)` looks like.

```
.text, #text, p{  
    color:rgb(255, 127, 36)  
}
```

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, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 127, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 79.479, 56.578 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, 36) }
```

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

```
.border{ border-color:rgb(255, 127, 36) }
```

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, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 127, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 127, 36);  
box-shadow:4px 4px 4px 4px rgb(255, 127,  
36) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 79.479, 56.578 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, 36) }
```

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

```
.background{ background-color: rgb(255,  
127, 36) }
```

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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