

Converting Colors

CIELCh(67, 77.494, 56.460)

Have a look what the booklet for
CIELCh(67, 77.494, 56.460) contains.

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Color

CIELCh(67, 77.624, 56.346)

Conversions

Conversions Part 1

Format	Color
Hex	FE8029
RGB	254, 128, 41
RGB Percent	100%, 50%, 16%
CMY	0.0043, 0.4983, 0.8395
CMYK	0.00, 0.50, 0.84, 0.00
HSL	25°, 99%, 58%
HSV	25°, 84%, 100%
XYZ	48.9478, 36.6320, 6.5811
YIQ	155.7560, 103.0230, -0.3450

Conversions

Conversions Part 2

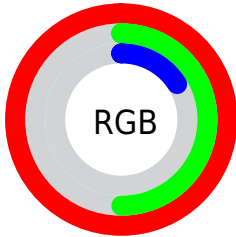
Format	Color
R _Y B	254, 188, 41
Decimal	16678953
CIE Lab	67.00, 43.02, 64.61
CIE LCh	67, 77.624, 56.346
Yxy	36.6320, 0.5311, 0.3975
Android (android.graphics.Color)	4294869033 (0xFFFE8029)
YUV	155.7560, -56.5747, 86.1600
Hunter-Lab	60.5244, 38.4406, 35.9201

Details

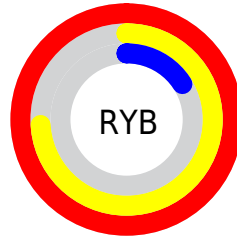
The CIELCh color **67, 77.624, 56.346** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **66, 52.461, 266.554**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **80, 56.880, 72.110**, and **47, 71.783, 53.060** is the 20% darker color. If you saturate the color by 10%, you get **64, 85.631, 54.446**, and if you desaturate by 10%, it is **70, 67.778, 57.597**.

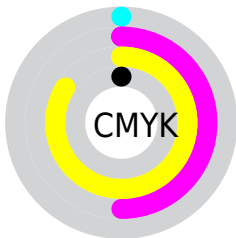
Distribution



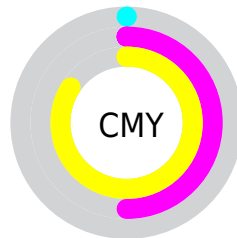
- Red (100%)
- Green (50%)
- Blue (16%)



- Red (100%)
- Yellow (74%)
- Blue (16%)



- Cyan (0%)
- Magenta (50%)
- Yellow (84%)
- Black (0%)



- Cyan (0%)
- Magenta (50%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 77.624, 56.346 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, 77.624, 56.346 by changing the saturation by 10% instead.

67, 77.624, 56.346

67, 77.624, 56.346

100, 77.624,
56.346

57, 77.624, 56.346

87, 77.624, 56.346

47, 77.624, 56.346

97, 77.624, 56.346

37, 77.624, 56.346

27, 77.624, 56.346

17, 77.624, 56.346

7, 77.624, 56.346

0, 77.624, 56.346

67, 77.624, 56.346

67, 77.624, 56.346

64, 85.631, 54.446

70, 67.778, 57.597

62, 89.359, 52.936

74, 57.356, 58.585

77, 47.039, 59.506

81, 37.137, 60.439

85, 27.767, 61.407

89, 18.953, 62.407

94, 10.675, 63.421

98, 2.892, 64.337

100, 0.379,
201.128

Harmonies

Complementary

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



67, 77.624, 56.346



66, 52.461, 266.554

Rectangle

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



67, 77.624, 56.346



67, 77.624, 106.346



67, 77.624, 236.346



67, 77.624, 286.346

Sweetspot

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



67, 77.622, 56.349



89, 19.979, 62.294



58, 84.806, 349.037



46, 13.785, 61.940



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, 77.622, 56.349



63, 89.656, 52.928



91, 85.571, 97.140



51, 4.327, 63.855



48, 71.812, 53.613



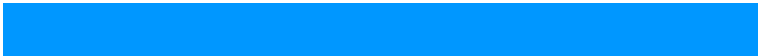
15, 27.395, 52.985

Inverse Universe

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



66, 52.461, 266.554



61, 60.942, 274.582



40, 112.099, 302.202



51, 4.171, 246.090



46, 48.380, 273.641



14, 20.186, 266.486

Previews

White Background



This preview shows how the CIELCh color 67, 77.624, 56.346 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, 77.624, 56.346 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, 77.624, 56.346

Background



This preview shows how black text looks on a background with the CIELCh color 67, 77.624, 56.346.



This preview shows how white text looks on a background with the CIELCh color 67, 77.624, 56.346.

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, 77.624, 56.346

Protanopia

67, 58.621, 95.578

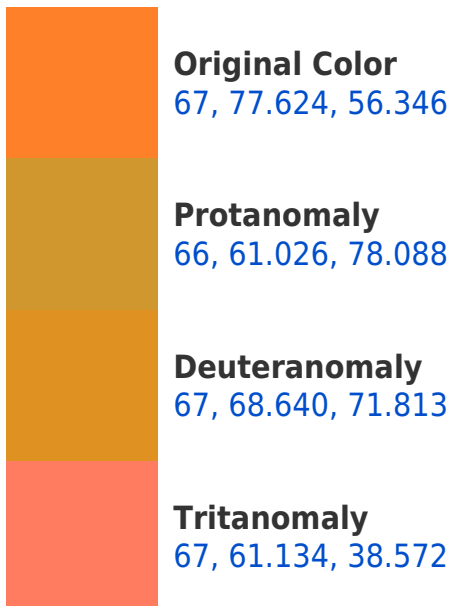
Deuteranopia

67, 66.720, 82.654



Tritanopia
67, 55.521, 21.520

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 77.624, 56.346 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, 128, 41)` looks like.

```
.text, #text, p{  
    color:rgb(254, 128, 41)  
}
```

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, 128, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 128, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 77.624, 56.346 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, 128, 41) }
```

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

```
.border{ border-color:rgb(254, 128, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 128, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 128, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 128, 41);  
box-shadow:4px 4px 4px 4px rgb(254, 128,  
41) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 77.624, 56.346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 128, 41) }
```

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

```
.background{ background-color: rgb(254,  
128, 41) }
```

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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