

Converting Colors

CIELCh(83, 104.576, 40.000)

Have a look what the booklet for
CIELCh(83, 104.576, 40.000)
contains.

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Color

CIELCh(67, 64.390, 44.947)

Conversions

Conversions Part 1

Format	Color
Hex	FE7E53
RGB	254, 126, 83
RGB Percent	100%, 49%, 33%
CMY	0.0042, 0.5055, 0.6738
CMYK	0.00, 0.50, 0.67, 0.00
HSL	15°, 99%, 66%
HSV	15°, 67%, 100%
XYZ	49.8901, 36.6320, 12.6596
YIQ	159.3700, 90.0910, 13.7630

Conversions

Conversions Part 2

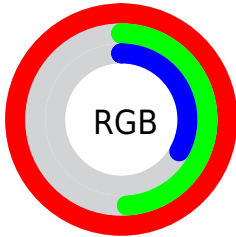
Format	Color
R_{YB}	254, 140, 83
Decimal	16678483
CIE _{Lab}	67.00, 45.57, 45.49
CIE _{LCh}	67, 64.390, 44.947
Yxy	36.6320, 0.5030, 0.3693
Android (android.graphics.Color)	4294868563 (0xFFFE7E53)
YUV	159.3700, -37.6504, 82.9905
Hunter-Lab	60.5244, 41.2195, 29.9656

Details

The CIELCh color **67, 64.390, 44.947** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **79, 38.328, 234.747**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **80, 40.780, 58.036**, and **47, 64.403, 44.987** is the 20% darker color. If you saturate the color by 10%, you get **63, 76.013, 45.363**, and if you desaturate by 10%, it is **71, 52.925, 44.610**.

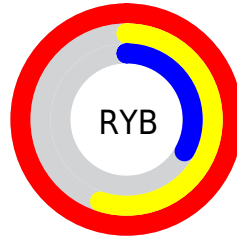
Distribution



Red (100%)

Green (49%)

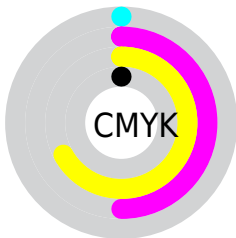
Blue (33%)



Red (100%)

Yellow (55%)

Blue (33%)

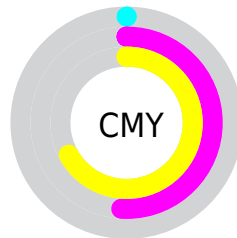


Cyan (0%)

Magenta (50%)

Yellow (67%)

Black (0%)



Cyan (0%)

Magenta (51%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 64.390, 44.947 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, 64.390, 44.947 by changing the saturation by 10% instead.

67, 64.390, 44.947

67, 64.390, 44.947

100, 64.390,
44.947

57, 64.390, 44.947

87, 64.390, 44.947

47, 64.390, 44.947

97, 64.390, 44.947

37, 64.390, 44.947

27, 64.390, 44.947

17, 64.390, 44.947

7, 64.390, 44.947

0, 64.390, 44.947

67, 64.390, 44.947

67, 64.390, 44.947

63, 76.013, 45.363

71, 52.925, 44.610

60, 86.911, 45.560

76, 42.011, 44.433

57, 95.355, 44.940

80, 31.795, 44.430

57, 97.313, 44.745

85, 22.317, 44.578

91, 13.558, 44.843

96, 5.471, 45.155

100, 0.370,
201.171

Harmonies

Complementary

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



67, 64.390, 44.947



79, 38.328, 234.747

Rectangle

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



67, 64.390, 44.947



67, 64.390, 94.947



67, 64.390, 224.947



67, 64.390, 274.947

Sweetspot

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



67, 64.388, 44.950



89, 15.956, 44.761



63, 82.859, 337.548



46, 11.012, 44.684



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, 64.388, 44.950



62, 80.538, 45.488



86, 66.563, 88.520



50, 4.347, 45.090



43, 78.146, 45.234



12, 29.229, 40.359

Inverse Universe

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



79, 38.328, 234.747



76, 42.428, 239.254



56, 73.008, 290.872



51, 4.109, 226.190



56, 36.933, 246.662



18, 16.506, 240.272

Previews

White Background



This preview shows how the CIELCh color 67, 64.390, 44.947 looks on a white background.

Color Contrast Check

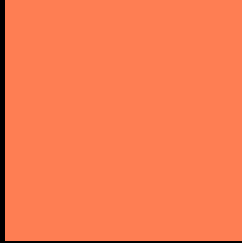
Large Text (above 18pt) WCAG AA × Fail

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, 64.390, 44.947 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, 64.390, 44.947

Background



This preview shows how black text looks on a background with the CIELCh color 67, 64.390, 44.947.



This preview shows how white text looks on a background with the CIELCh color 67, 64.390, 44.947.

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, 64.489, 44.957

Protanopia

67, 37.331, 96.195

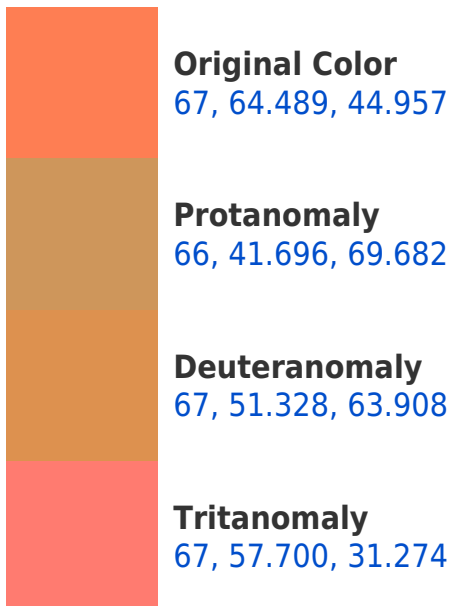
Deuteranopia

67, 47.862, 79.810



Tritanopia
67, 55.521, 21.520

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 64.390, 44.947 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, 126, 83)` looks like.

```
.text, #text, p{  
    color:rgb(254, 126, 83)  
}
```

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, 126, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 126, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 64.390, 44.947 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, 126, 83) }
```

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

```
.border{ border-color:rgb(254, 126, 83) }
```

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

Here you see how a box with a 4 pixel rgb(254, 126, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 126, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 126, 83);  
box-shadow:4px 4px 4px 4px rgb(254, 126,  
83) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 64.390, 44.947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 126, 83) }
```

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

```
.background{ background-color: rgb(254,  
126, 83) }
```

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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