

Converting Colors

CIELCh(68, 79.112, 39.307)

Have a look what the booklet for
CIELCh(68, 79.112, 39.307) contains.

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Color

CIELCh(64, 69.496, 40.488)

Conversions

Conversions Part 1

Format	Color
Hex	FE6E4D
RGB	254, 110, 77
RGB Percent	100%, 43%, 30%
CMY	0.0038, 0.5679, 0.6970
CMYK	0.00, 0.57, 0.70, 0.00
HSL	11°, 99%, 65%
HSV	11°, 70%, 100%
XYZ	47.8230, 32.8017, 10.8800
YIQ	149.2940, 96.4170, 20.2650

Conversions

Conversions Part 2

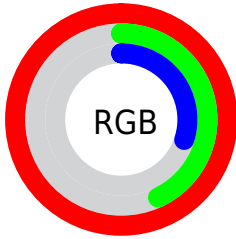
Format	Color
RYB	254, 118, 77
Decimal	16674381
CIELab	64.00, 52.85, 45.12
CIElCh	64, 69.496, 40.488
Yxy	32.8017, 0.5226, 0.3585
Android (android.graphics.Color)	4294864461 (0xFFFE6E4D)
YUV	149.2940, -35.6409, 91.8272
Hunter-Lab	57.2727, 48.8210, 28.8278

Details

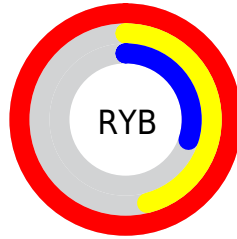
The CIELCh color **64, 69.496, 40.488** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **82, 38.956, 224.201**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **76, 44.453, 48.742**, and **44, 69.696, 40.564** is the 20% darker color. If you saturate the color by 10%, you get **60, 81.355, 41.655**, and if you desaturate by 10%, it is **68, 57.593, 39.460**.

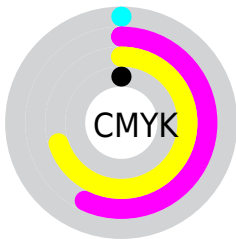
Distribution



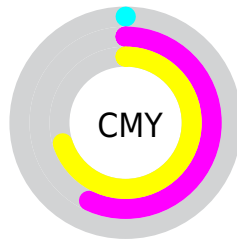
- Red (100%)
- Green (43%)
- Blue (30%)



- Red (100%)
- Yellow (46%)
- Blue (30%)



- Cyan (0%)
- Magenta (57%)
- Yellow (70%)
- Black (0%)



- Cyan (0%)
- Magenta (57%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 69.496, 40.488 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 64, 69.496, 40.488 by changing the saturation by 10% instead.

64, 69.496, 40.488

64, 69.496, 40.488

100, 69.496,
40.488

54, 69.496, 40.488

84, 69.496, 40.488

44, 69.496, 40.488

94, 69.496, 40.488

34, 69.496, 40.488

24, 69.496, 40.488

14, 69.496, 40.488

4, 69.496, 40.488

0, 69.496, 40.488

64, 69.496, 40.488

64, 69.496, 40.488

60, 81.355, 41.655

68, 57.593, 39.460

■ 57, 92.067, 42.569

■ 73, 46.146, 38.679

■ 55, 99.833, 42.642

■ 78, 35.368, 38.153

■ 55, 100.120,
42.655

■ 83, 25.344, 37.845

■ 89, 16.082, 37.711

■ 94, 7.547, 37.686

100, 0.306,
213.348

100, 0.340,
201.331

Harmonies

Complementary

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



64, 69.496, 40.488



82, 38.956, 224.201

Rectangle

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



64, 69.496, 40.488



64, 69.496, 90.488



64, 69.496, 220.488



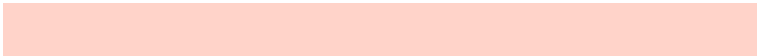
64, 69.496, 270.488

Sweetspot

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



64, 69.493, 40.491



88, 17.402, 37.722



63, 88.559, 334.674



45, 11.917, 37.750



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



64, 69.493, 40.491



59, 86.599, 42.130



83, 66.089, 82.841



50, 4.489, 37.686



42, 80.443, 43.037



12, 30.183, 36.400

Inverse Universe

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



82, 38.956, 224.201



80, 42.167, 227.863



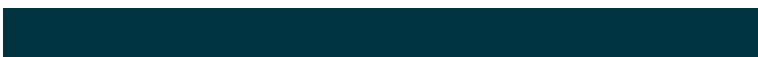
58, 68.780, 287.521



52, 4.226, 218.193



59, 35.198, 232.650



19, 16.133, 227.744

Previews

White Background



This preview shows how the CIELCh color 64, 69.496, 40.488 looks on a white background.

Color Contrast Check

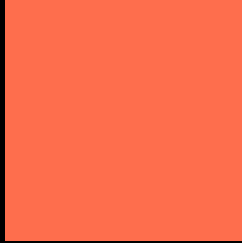
Large Text (above 18pt) WCAG AA × Fail

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 64, 69.496, 40.488 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 64, 69.496, 40.488

Background



This preview shows how black text looks on a background with the CIELCh color 64, 69.496, 40.488.



This preview shows how white text looks on a background with the CIELCh color 64, 69.496, 40.488.

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

64, 69.600, 40.517

Protanopia

64, 34.562, 95.446

Deuteranopia

64, 47.776, 80.401



Tritanopia
64, 62.653, 23.958

Trichromacy



Original Color
64, 69.600, 40.517

Protanomaly
63, 41.208, 64.007

Deuteranomaly
63, 52.260, 60.717

Tritanomaly
64, 64.492, 30.684

Monochromacy



Original Color
64, 69.600, 40.517

Achromatopsia
62, 0.008, 296.813

Achromatomaly
61, 23.234, 38.070

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 69.496, 40.488 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, 110, 77)` looks like.

```
.text, #text, p{  
    color:rgb(254, 110, 77)  
}
```

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, 110, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 110, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 69.496, 40.488 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, 110, 77) }
```

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

```
.border{ border-color:rgb(254, 110, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 110, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 110, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 110, 77);  
box-shadow:4px 4px 4px 4px rgb(254, 110,  
77) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 69.496, 40.488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 110, 77) }
```

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

```
.background{ background-color: rgb(254,  
110, 77) }
```

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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