

Converting Colors

CIELCh(65, 59.369, 47.415)

Have a look what the booklet for
CIELCh(65, 59.369, 47.415) contains.

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Color

CIELCh(65, 59.466, 47.417)

Conversions

Conversions Part 1

Format	Color
Hex	F07E51
RGB	240, 126, 81
RGB Percent	94%, 49%, 32%
CMY	0.0588, 0.5058, 0.6823
CMYK	0.00, 0.47, 0.66, 0.06
HSL	17°, 84%, 63%
HSV	17°, 66%, 94%
XYZ	44.8886, 34.0472, 11.9929
YIQ	154.9560, 82.3890, 10.1730

Conversions

Conversions Part 2

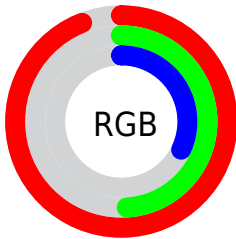
Format	Color
R_{YB}	240, 144, 81
Decimal	15760977
CIE _{Lab}	65.00, 40.24, 43.78
CIE _{LCh}	65, 59.466, 47.417
Yxy	34.0472, 0.4937, 0.3744
Android (android.graphics.Color)	4293951057 (0xFFFF07E51)
YUV	154.9560, -36.4603, 74.5836
Hunter-Lab	58.3500, 35.2076, 28.6588

Details

The CIELCh color **65, 59.466, 47.417** 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 **74, 36.787, 239.711**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **79, 41.556, 58.157**, and **45, 59.421, 47.481** is the 20% darker color. If you saturate the color by 10%, you get **61, 70.383, 47.501**, and if you desaturate by 10%, it is **69, 48.753, 47.385**.

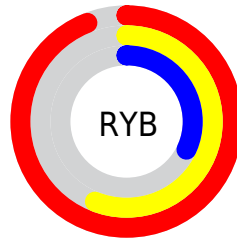
Distribution



Red (94%)

Green (49%)

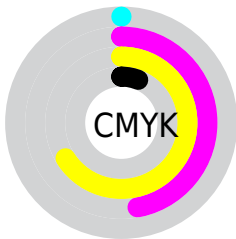
Blue (32%)



Red (94%)

Yellow (56%)

Blue (32%)

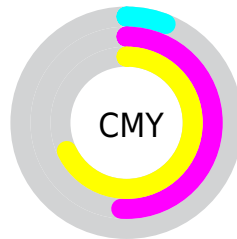


Cyan (0%)

Magenta (47%)

Yellow (66%)

Black (6%)



Cyan (6%)

Magenta (51%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 59.466, 47.417 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 65, 59.466, 47.417 by changing the saturation by 10% instead.

65, 59.466, 47.417

65, 59.466, 47.417

100, 59.466,
47.417

55, 59.466, 47.417

85, 59.466, 47.417

45, 59.466, 47.417

95, 59.466, 47.417

35, 59.466, 47.417

25, 59.466, 47.417

15, 59.466, 47.417

5, 59.466, 47.417

0, 59.466, 47.417

65, 59.466, 47.417

65, 59.466, 47.417

61, 70.383, 47.501

69, 48.753, 47.385

58, 80.752, 47.379

73, 38.575, 47.477

56, 89.065, 46.511

78, 29.052, 47.708

55, 91.681, 46.119

82, 20.210, 48.062

87, 12.024, 48.506

92, 4.446, 48.964

97, 2.582, 229.922

99, 5.157, 199.207

Harmonies

Complementary

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



65, 59.466, 47.417



74, 36.787, 239.711

Rectangle

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



65, 59.466, 47.417



65, 59.466, 97.417



65, 59.466, 227.417



65, 59.466, 277.417

Sweetspot

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



65, 59.464, 47.420



90, 15.783, 48.328



60, 77.592, 338.241



46, 10.889, 48.203



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



65, 59.464, 47.420



64, 77.069, 47.504



83, 63.470, 89.937



48, 4.091, 48.829



42, 74.526, 46.654



11, 25.045, 40.807

Inverse Universe

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



74, 36.787, 239.711



75, 42.858, 244.247



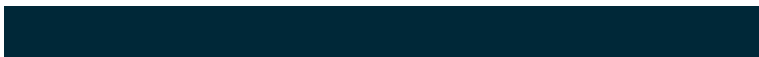
53, 70.197, 291.436



48, 3.880, 230.198



52, 37.286, 252.864



15, 15.499, 244.920

Previews

White Background



This preview shows how the CIELCh color 65, 59.466, 47.417 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 65, 59.466, 47.417 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 65, 59.466, 47.417

Background



This preview shows how black text looks on a background with the CIELCh color 65, 59.466, 47.417.



This preview shows how white text looks on a background with the CIELCh color 65, 59.466, 47.417.

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

65, 59.466, 47.417

Protanopia

65, 36.514, 95.872

Deuteranopia

65, 45.821, 79.809



Tritanopia
65, 51.043, 20.041

Trichromacy



Original Color
65, 59.466, 47.417

Protanomaly
64, 40.024, 71.613

Deuteranomaly
65, 48.401, 65.650

Tritanomaly
65, 52.554, 30.834

Monochromacy



Original Color
65, 59.466, 47.417

Achromatopsia
64, 0.008, 296.813

Achromatomaly
63, 19.918, 47.116

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 59.466, 47.417 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(240, 126, 81)` looks like.

```
.text, #text, p{  
    color:rgb(240, 126, 81)  
}
```

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(240, 126, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 126, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 59.466, 47.417 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(240, 126, 81) }
```

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

```
.border{ border-color:rgb(240, 126, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 126, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 126, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 126, 81);  
box-shadow:4px 4px 4px 4px rgb(240, 126,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 59.466, 47.417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 126, 81) }
```

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

```
.background{ background-color: rgb(240,  
126, 81) }
```

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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