

Converting Colors

CIELCh(64, 55.737, 49.800)

Have a look what the booklet for
CIELCh(64, 55.737, 49.800) contains.

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Color

CIELCh(64, 56.027, 49.778)

Conversions

Conversions Part 1

Format	Color
Hex	E77F50
RGB	231, 127, 80
RGB Percent	91%, 50%, 31%
CMY	0.0936, 0.5015, 0.6858
CMYK	0.00, 0.45, 0.65, 0.09
HSL	19°, 76%, 61%
HSV	19°, 65%, 91%
XYZ	42.0560, 32.8017, 11.7252
YIQ	152.7380, 77.0710, 7.4310

Conversions

Conversions Part 2

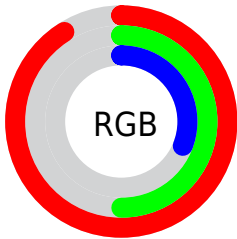
Format	Color
R_{YB}	231, 148, 80
Decimal	15171408
CIE Lab	64.00, 36.18, 42.78
CIE LCh	64, 56.027, 49.778
Yxy	32.8017, 0.4857, 0.3788
Android (android.graphics.Color)	4293361488 (0xFFE77F50)
YUV	152.7380, -35.8598, 68.6358
Hunter-Lab	57.2727, 30.8471, 27.9527

Details

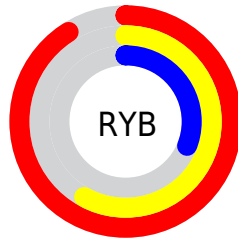
The CIELCh color **64, 56.027, 49.778** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **71, 35.992, 244.006**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **80, 41.923, 59.449**, and **44, 56.026, 50.012** is the 20% darker color. If you saturate the color by 10%, you get **61, 66.426, 49.589**, and if you desaturate by 10%, it is **68, 45.849, 49.997**.

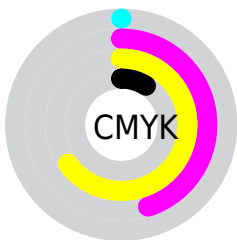
Distribution



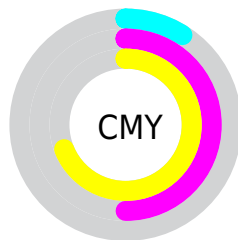
- Red (91%)
- Green (50%)
- Blue (31%)



- Red (91%)
- Yellow (58%)
- Blue (31%)



- Cyan (0%)
- Magenta (45%)
- Yellow (65%)
- Black (9%)



- Cyan (9%)
- Magenta (50%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 56.027, 49.778 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, 56.027, 49.778 by changing the saturation by 10% instead.

64, 56.027, 49.778

64, 56.027, 49.778

100, 56.027,
49.778

54, 56.027, 49.778

84, 56.027, 49.778

44, 56.027, 49.778

94, 56.027, 49.778

34, 56.027, 49.778

24, 56.027, 49.778

14, 56.027, 49.778

4, 56.027, 49.778

0, 56.027, 49.778

64, 56.027, 49.778

64, 56.027, 49.778

61, 66.426, 49.589

68, 45.849, 49.997

57, 76.381, 49.198

72, 36.185, 50.311

55, 84.557, 48.125

76, 27.136, 50.737

54, 87.711, 47.495

80, 18.719, 51.261

85, 10.909, 51.855

89, 3.658, 52.430

94, 3.089, 233.481

98, 7.962, 200.929

98, 8.143, 198.972

Harmonies

Complementary

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



64, 56.027, 49.778



71, 35.992, 244.006

Rectangle

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



64, 56.027, 49.778



64, 56.027, 99.778



64, 56.027, 229.778



64, 56.027, 279.778

Sweetspot

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



64, 56.025, 49.781



90, 15.682, 51.566



58, 73.017, 339.808



47, 10.815, 51.399



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, 56.025, 49.781



65, 74.953, 49.506



81, 62.255, 92.469



46, 3.928, 52.214



42, 71.841, 48.066



10, 22.144, 41.616

Inverse Universe

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



71, 35.992, 244.006



74, 43.673, 248.771



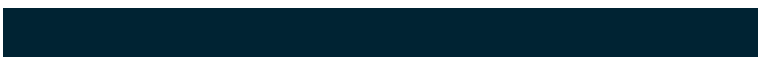
50, 70.153, 292.884



46, 3.738, 233.806



49, 38.113, 258.055



12, 14.911, 248.845

Previews

White Background



This preview shows how the CIELCh color 64, 56.027, 49.778 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, 56.027, 49.778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

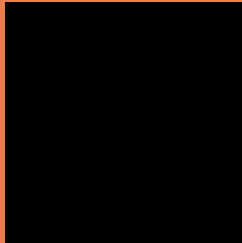
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 56.027, 49.778

Background



This preview shows how black text looks on a background with the CIELCh color 64, 56.027, 49.778.



This preview shows how white text looks on a background with the CIELCh color 64, 56.027, 49.778.

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, 56.027, 49.778

Protanopia

64, 36.582, 95.811

Deuteranopia

64, 45.040, 79.277



Tritanopia
64, 46.929, 19.018

Trichromacy



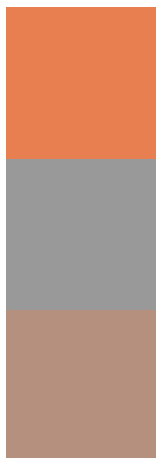
Original Color
64, 56.027, 49.778

Protanomaly
64, 39.704, 73.449

Deuteranomaly
64, 47.143, 66.401

Tritanomaly
64, 48.460, 31.496

Monochromacy



Original Color
64, 56.027, 49.778

Achromatopsia
63, 0.008, 296.813

Achromatomaly
63, 18.671, 52.776

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 56.027, 49.778 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(231, 127, 80)` looks like.

```
.text, #text, p{  
    color:rgb(231, 127, 80)  
}
```

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(231, 127, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 127, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 56.027, 49.778 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(231, 127, 80) }
```

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

```
.border{ border-color:rgb(231, 127, 80) }
```

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

Here you see how a box with a 4 pixel rgb(231, 127, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 127, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 127, 80);  
box-shadow:4px 4px 4px 4px rgb(231, 127,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 56.027, 49.778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 127, 80) }
```

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

```
.background{ background-color: rgb(231,  
127, 80) }
```

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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