

Converting Colors

CIELCh(64, 68.835, 57.968)

Have a look what the booklet for
CIELCh(64, 68.835, 57.968) contains.

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Color

CIELCh(64, 68.847, 57.693)

Conversions

Conversions Part 1

Format	Color
Hex	EB7E30
RGB	235, 126, 48
RGB Percent	92%, 49%, 19%
CMY	0.0784, 0.5058, 0.8117
CMYK	0.00, 0.46, 0.80, 0.08
HSL	25°, 82%, 55%
HSV	25°, 80%, 92%
XYZ	42.2603, 32.8017, 6.9013
YIQ	149.6990, 90.0020, -1.1500

Conversions

Conversions Part 2

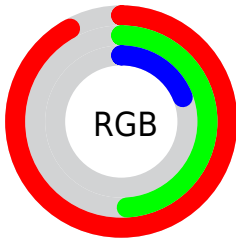
Format	Color
R _Y B	235, 182, 48
Decimal	15433264
CIE Lab	64.00, 36.80, 58.19
CIE LCh	64, 68.847, 57.693
Yxy	32.8017, 0.5156, 0.4002
Android (android.graphics.Color)	4293623344 (0xFFEB7E30)
YUV	149.6990, -50.1376, 74.8090
Hunter-Lab	57.2727, 31.4840, 32.9466

Details

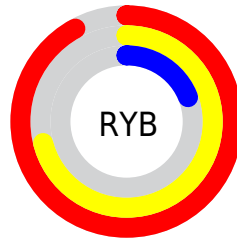
The CIELCh color **64, 68.847, 57.693** is a dark color, and the websafe version is hex **CC6600**. The color can be described as middle washed orange. A complement of this color would be **62, 47.894, 265.591**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **79, 54.541, 69.200**, and **44, 65.647, 55.649** is the 20% darker color. If you saturate the color by 10%, you get **61, 77.248, 56.103**, and if you desaturate by 10%, it is **67, 59.319, 58.845**.

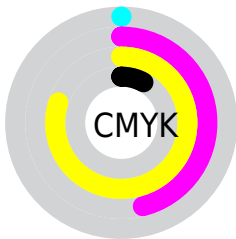
Distribution



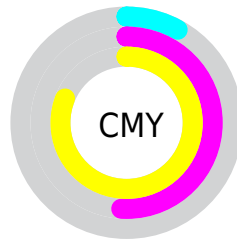
- Red (92%)
- Green (49%)
- Blue (19%)



- Red (92%)
- Yellow (71%)
- Blue (19%)



- Cyan (0%)
- Magenta (46%)
- Yellow (80%)
- Black (8%)



- Cyan (8%)
- Magenta (51%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 68.847, 57.693 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, 68.847, 57.693 by changing the saturation by 10% instead.

64, 68.847, 57.693

64, 68.847, 57.693

100, 68.847,
57.693

54, 68.847, 57.693

84, 68.847, 57.693

44, 68.847, 57.693

94, 68.847, 57.693

34, 68.847, 57.693

24, 68.847, 57.693

14, 68.847, 57.693

4, 68.847, 57.693

0, 68.847, 57.693

64, 68.847, 57.693

64, 68.847, 57.693

61, 77.248, 56.103

67, 59.319, 58.845

59, 83.509, 53.779

70, 49.581, 59.837

58, 83.769, 53.687

74, 40.085, 60.801

78, 31.026, 61.786

81, 22.469, 62.800

85, 14.415, 63.836

89, 6.838, 64.863

93, 0.305, 247.598

97, 5.647, 230.384

Harmonies

Complementary

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



64, 68.847, 57.693



62, 47.894, 265.591

Rectangle

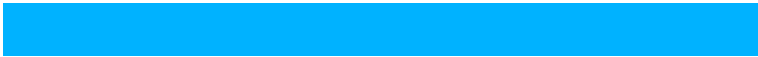
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64, 68.847, 57.693



64, 68.847, 107.693



64, 68.847, 237.693



64, 68.847, 287.693

Sweetspot

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



64, 68.845, 57.696



90, 19.155, 63.365



54, 77.625, 349.147



46, 13.307, 62.994



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, 68.845, 57.696



64, 86.268, 54.779



86, 79.201, 98.591



47, 4.052, 64.874



46, 68.545, 54.356



12, 22.433, 52.248

Inverse Universe

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



62, 47.894, 265.591



62, 59.314, 273.220



38, 101.681, 301.606



47, 3.912, 247.131



44, 47.116, 274.571



11, 17.881, 265.754

Previews

White Background



This preview shows how the CIELCh color 64, 68.847, 57.693 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, 68.847, 57.693 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, 68.847, 57.693

Background



This preview shows how black text looks on a background with the CIELCh color 64, 68.847, 57.693.



This preview shows how white text looks on a background with the CIELCh color 64, 68.847, 57.693.

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, 68.847, 57.693

Protanopia

64, 52.932, 95.511

Deuteranopia

64, 60.261, 82.121



Tritanopia
64, 50.452, 20.556

Trichromacy



Original Color
64, 68.847, 57.693

Protanomaly
64, 54.995, 79.054

Deuteranomaly
64, 61.809, 72.253

Tritanomaly
64, 54.464, 37.718

Monochromacy



Original Color
64, 68.847, 57.693

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 23.614, 61.470

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 68.847, 57.693 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(235, 126, 48)` looks like.

```
.text, #text, p{  
    color:rgb(235, 126, 48)  
}
```

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(235, 126, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 126, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 68.847, 57.693 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(235, 126, 48) }
```

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

```
.border{ border-color:rgb(235, 126, 48) }
```

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

Here you see how a box with a 4 pixel rgb(235, 126, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 126, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 126, 48);  
box-shadow:4px 4px 4px 4px rgb(235, 126,  
48) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 68.847, 57.693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 126, 48) }
```

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

```
.background{ background-color: rgb(235,  
126, 48) }
```

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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