

Converting Colors

CIELCh(63, 78.727, 58.367)

Have a look what the booklet for
CIELCh(63, 78.727, 58.367) contains.

CIELCh(63, 78.614, 58.346)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(63, 78.614, 58.346)

Conversions

Conversions Part 1

Format	Color
Hex	EF7714
RGB	239, 119, 20
RGB Percent	94%, 47%, 8%
CMY	0.0628, 0.5334, 0.9217
CMYK	0.00, 0.50, 0.92, 0.06
HSL	27°, 87%, 51%
HSV	27°, 92%, 94%
XYZ	42.3101, 31.5869, 4.5274
YIQ	143.5940, 103.2990, -5.3490

Conversions

Conversions Part 2

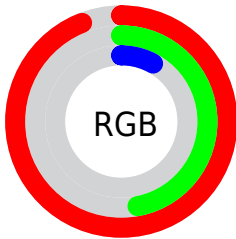
Format	Color
R _Y B	239, 201, 20
Decimal	15693588
CIE Lab	63.00, 41.26, 66.92
CIE LCh	63, 78.614, 58.346
Yxy	31.5869, 0.5395, 0.4028
Android (android.graphics.Color)	4293883668 (0xFFEF7714)
YUV	143.5940, -60.9318, 83.6711
Hunter-Lab	56.2022, 36.0242, 34.5655

Details

The CIELCh color **63, 78.614, 58.346** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **57, 58.367, 275.770**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **77, 62.675, 69.665**, and **43, 68.409, 52.029** is the 20% darker color. If you saturate the color by 10%, you get **61, 83.304, 56.158**, and if you desaturate by 10%, it is **66, 70.970, 60.325**.

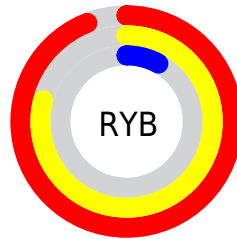
Distribution



Red (94%)

Green (47%)

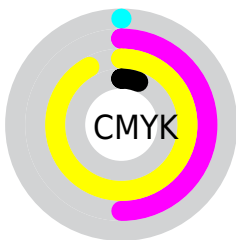
Blue (8%)



Red (94%)

Yellow (79%)

Blue (8%)

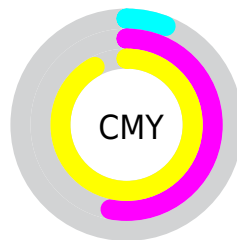


Cyan (0%)

Magenta (50%)

Yellow (92%)

Black (6%)



Cyan (6%)

Magenta (53%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 78.614, 58.346 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 63, 78.614, 58.346 by changing the saturation by 10% instead.

63, 78.614, 58.346

63, 78.614, 58.346

100, 78.614,
58.346

53, 78.614, 58.346

83, 78.614, 58.346

43, 78.614, 58.346

93, 78.614, 58.346

33, 78.614, 58.346

23, 78.614, 58.346

13, 78.614, 58.346

3, 78.614, 58.346

0, 78.614, 58.346

63, 78.614, 58.346

63, 78.614, 58.346

61, 83.304, 56.158

66, 70.970, 60.325

69, 61.826, 61.764

72, 52.209, 62.978

75, 42.676, 64.119

79, 33.485, 65.250

82, 24.734, 66.389

86, 16.446, 67.535

90, 8.604, 68.668

94, 1.175, 69.480

Harmonies

Complementary

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



63, 78.614, 58.346



57, 58.367, 275.770

Rectangle

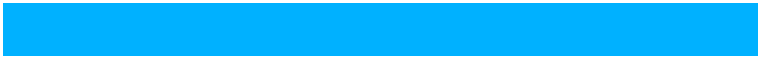
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63, 78.614, 58.346



63, 78.614, 108.346



63, 78.614, 238.346



63, 78.614, 288.346

Sweetspot

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



63, 78.612, 58.348



89, 21.962, 66.910



53, 80.851, 355.036



46, 14.943, 66.518



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



63, 78.612, 58.348



65, 87.584, 56.015



89, 87.364, 99.902



48, 4.185, 68.906



47, 68.056, 56.839



13, 23.504, 56.230

Inverse Universe

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



57, 58.367, 275.770



58, 66.744, 279.975



33, 119.881, 304.905



48, 4.062, 251.305



42, 51.182, 278.929



11, 19.664, 270.820

Previews

White Background



This preview shows how the CIELCh color 63, 78.614, 58.346 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 63, 78.614, 58.346 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 63, 78.614, 58.346

Background



This preview shows how black text looks on a background with the CIELCh color 63, 78.614, 58.346.



This preview shows how white text looks on a background with the CIELCh color 63, 78.614, 58.346.

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

63, 78.614, 58.346

Protanopia

63, 61.173, 95.185

Deuteranopia

63, 67.996, 83.464



Tritanopia
63, 55.073, 22.328

Trichromacy



Original Color
63, 78.614, 58.346

Protanomaly
62, 63.569, 79.424

Deuteranomaly
63, 70.276, 73.263

Tritanomaly
63, 61.882, 41.138

Monochromacy



Original Color
63, 78.614, 58.346

Achromatopsia
60, 0.008, 296.813

Achromatomaly
60, 28.583, 64.777

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 78.614, 58.346 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(239, 119, 20)` looks like.

```
.text, #text, p{  
    color:rgb(239, 119, 20)  
}
```

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(239, 119, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 119, 20) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 78.614, 58.346 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(239, 119, 20) }
```

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

```
.border{ border-color:rgb(239, 119, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 119, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 119, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 119, 20);  
box-shadow:4px 4px 4px 4px rgb(239, 119,  
20) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 78.614, 58.346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 119, 20) }
```

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

```
.background{ background-color: rgb(239,  
119, 20) }
```

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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