

Converting Colors

CIELCh(63, 80.956, 59.940)

Have a look what the booklet for
CIELCh(63, 80.956, 59.940) contains.

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Color

CIELCh(63, 80.764, 60.162)

Conversions

Conversions Part 1

Format	Color
Hex	EE7802
RGB	238, 120, 2
RGB Percent	93%, 47%, 1%
CMY	0.0670, 0.5296, 0.9926
CMYK	0.00, 0.50, 0.99, 0.07
HSL	30°, 98%, 47%
HSV	30°, 99%, 93%
XYZ	41.9548, 31.5869, 3.9395
YIQ	141.8300, 108.2060, -11.6820

Conversions

Conversions Part 2

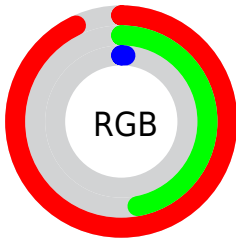
Format	Color
R _{YB}	238, 238, 2
Decimal	15628290
CIE Lab	63.00, 40.18, 70.06
CIE LCh	63, 80.764, 60.162
Yxy	31.5869, 0.5415, 0.4077
Android (android.graphics.Color)	4293818370 (0xFFEE7802)
YUV	141.8300, -68.9362, 84.3411
Hunter-Lab	56.2022, 34.8957, 35.1856

Details

The CIELCh color **63, 80.764, 60.162** 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 **51, 69.092, 284.521**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **77, 65.820, 71.514**, and **43, 67.608, 52.918** is the 20% darker color. If you saturate the color by 10%, you get **63, 81.151, 59.952**, and if you desaturate by 10%, it is **66, 75.551, 62.906**.

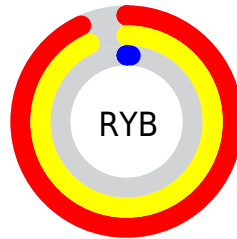
Distribution



Red (93%)

Green (47%)

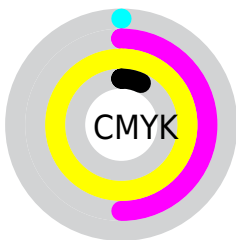
Blue (1%)



Red (93%)

Yellow (93%)

Blue (1%)

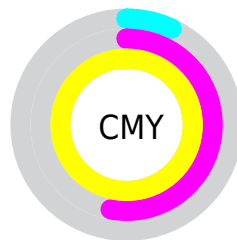


Cyan (0%)

Magenta (50%)

Yellow (99%)

Black (7%)



Cyan (7%)

Magenta (53%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 80.764, 60.162 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, 80.764, 60.162 by changing the saturation by 10% instead.

63, 80.764, 60.162

63, 80.764, 60.162

100, 80.764,
60.162

53, 80.764, 60.162

83, 80.764, 60.162

43, 80.764, 60.162

93, 80.764, 60.162

33, 80.764, 60.162

23, 80.764, 60.162

13, 80.764, 60.162

3, 80.764, 60.162

0, 80.764, 60.162

63, 80.764, 60.162

63, 80.764, 60.162

63, 81.151, 59.952

66, 75.551, 62.906

68, 68.067, 64.938

71, 59.225, 66.527

74, 49.926, 67.918

77, 40.662, 69.230

81, 31.667, 70.513

84, 23.035, 71.783

87, 14.790, 73.037

91, 6.923, 74.252

Harmonies

Complementary

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



63, 80.764, 60.162



51, 69.092, 284.521

Rectangle

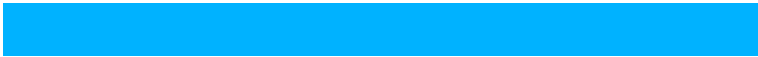
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63, 80.764, 60.162



63, 80.764, 110.162



63, 80.764, 240.162



63, 80.764, 290.162

Sweetspot

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



63, 80.761, 60.164



89, 25.082, 71.669



51, 80.234, 2.431



46, 17.286, 71.132



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, 80.761, 60.164



67, 85.591, 59.798



91, 91.815, 102.863



48, 4.301, 74.220



49, 66.592, 60.625



14, 23.415, 61.229

Inverse Universe

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



51, 69.092, 284.521



55, 73.690, 285.046



30, 126.619, 306.235



48, 4.207, 256.739



40, 56.424, 284.065



10, 21.385, 276.355

Previews

White Background



This preview shows how the CIELCh color 63, 80.764, 60.162 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, 80.764, 60.162 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, 80.764, 60.162

Background



This preview shows how black text looks on a background with the CIELCh color 63, 80.764, 60.162.



This preview shows how white text looks on a background with the CIELCh color 63, 80.764, 60.162.

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, 80.764, 60.162

Protanopia

63, 63.447, 95.221

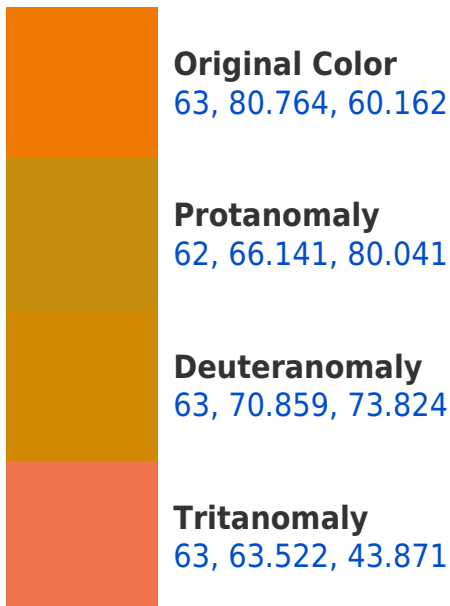
Deuteranopia

63, 67.996, 83.464



Tritanopia
63, 54.602, 22.196

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 80.764, 60.162 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(238, 120, 2)` looks like.

```
.text, #text, p{  
    color:rgb(238, 120, 2)  
}
```

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(238, 120, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 120, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 80.764, 60.162 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(238, 120, 2) }
```

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

```
.border{ border-color:rgb(238, 120, 2) }
```

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

Here you see how a box with a 4 pixel rgb(238, 120, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 120, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 120, 2);  
box-shadow:4px 4px 4px 4px rgb(238, 120,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 80.764, 60.162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 120, 2) }
```

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

```
.background{ background-color: rgb(238,  
120, 2) }
```

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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