

Converting Colors

CIELCh(61, 82.512, 56.717)

Have a look what the booklet for
CIELCh(61, 82.512, 56.717) contains.

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Color

CIELCh(61, 82.483, 56.860)

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | EE6E01 |
| RGB | 238, 110, 1 |
| RGB Percent | 93%, 43%, 0% |
| CMY | 0.0676, 0.5693, 0.9975 |
| CMYK | 0.00, 0.54, 1.00, 0.07 |
| HSL | 28°, 99%, 47% |
| HSV | 28°, 100%, 93% |
| XYZ | 40.7394, 29.2481, 3.5167 |
| YIQ | 135.8460, 111.2770, -6.7630 |

Conversions

Conversions Part 2

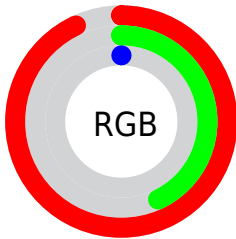
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 238, 203, 1 |
| Decimal | 15625729 |
| CIE _{Lab} | 61.00, 45.09, 69.07 |
| CIE _{LCh} | 61, 82.483, 56.860 |
| Yxy | 29.2481, 0.5542, 0.3979 |
| Android (android.graphics.Color) | 4293815809 (0xFFEE6E01) |
| YUV | 135.8460, -66.4791, 89.5891 |
| Hunter-Lab | 54.0815, 39.8204, 34.0017 |

Details

The CIELCh color **61, 82.483, 56.860** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed orange. A complement of this color would be **54, 63.998, 280.592**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 66.251, 66.893**, and **41, 69.603, 49.285** is the 20% darker color. If you saturate the color by 10%, you get **61, 82.631, 56.795**, and if you desaturate by 10%, it is **64, 76.784, 59.464**.

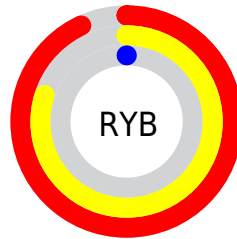
Distribution



Red (93%)

Green (43%)

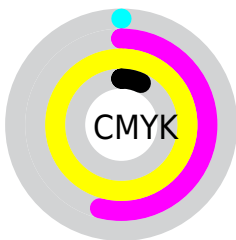
Blue (0%)



Red (93%)

Yellow (80%)

Blue (0%)

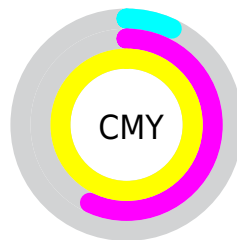


Cyan (0%)

Magenta (54%)

Yellow (100%)

Black (7%)



Cyan (7%)

Magenta (57%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 82.483, 56.860 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 61, 82.483, 56.860 by changing the saturation by 10% instead.

 61, 82.483, 56.860

 61, 82.483, 56.860

 100, 82.483,
56.860

 51, 82.483, 56.860

 81, 82.483, 56.860

 41, 82.483, 56.860

 91, 82.483, 56.860

 31, 82.483, 56.860

 21, 82.483, 56.860

 11, 82.483, 56.860

 1, 82.483, 56.860

 0, 82.483, 56.860

 61, 82.483, 56.860

 61, 82.483, 56.860

 61, 82.631, 56.795

 64, 76.784, 59.464

66, 68.889, 61.349

69, 59.709, 62.772

73, 50.171, 64.003

76, 40.763, 65.175

79, 31.705, 66.337

83, 23.079, 67.504

87, 14.901, 68.671

90, 7.151, 69.815

Harmonies

Complementary

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



61, 82.483, 56.860



54, 63.998, 280.592

Rectangle

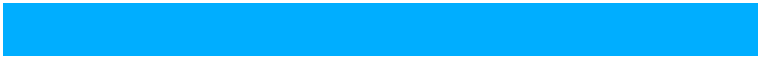
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



61, 82.483, 56.860



61, 82.483, 106.860



61, 82.483, 236.860



61, 82.483, 286.860

Sweetspot

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



61, 82.480, 56.862



88, 24.678, 67.459



52, 81.136, 357.895



45, 17.034, 66.964



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



61, 82.480, 56.862



65, 87.215, 56.640



88, 88.521, 99.543



48, 4.202, 69.842



48, 67.783, 57.466



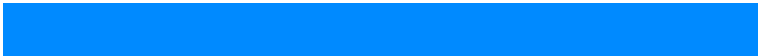
13, 23.476, 57.081

Inverse Universe

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



54, 63.998, 280.592



57, 67.904, 280.910



30, 124.760, 305.826



48, 4.085, 252.267



42, 52.056, 279.875



11, 19.947, 271.829

Previews

White Background



This preview shows how the CIELCh color 61, 82.483, 56.860 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 61, 82.483, 56.860 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 × Fail

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

CIELCh 61, 82.483, 56.860

Background



This preview shows how black text looks on a background with the CIELCh color 61, 82.483, 56.860.



This preview shows how white text looks on a background with the CIELCh color 61, 82.483, 56.860.

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

61, 82.483, 56.860

Protanopia

61, 61.421, 95.401

Deuteranopia

61, 66.371, 83.273



Tritanopia
61, 58.914, 23.461

Trichromacy



Original Color
61, 82.483, 56.860

Protanomaly
60, 64.730, 77.964

Deuteranomaly
60, 70.037, 71.877

Tritanomaly
61, 67.034, 41.902

Monochromacy



Original Color
61, 82.483, 56.860

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 31.349, 64.592

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 82.483, 56.860 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, 110, 1)` looks like.

```
.text, #text, p{  
    color:rgb(238, 110, 1)  
}
```

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, 110, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 110, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 82.483, 56.860 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, 110, 1) }
```

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

```
.border{ border-color:rgb(238, 110, 1) }
```

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

Here you see how a box with a 4 pixel rgb(238, 110, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 110, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 110, 1);  
box-shadow:4px 4px 4px 4px rgb(238, 110,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 82.483, 56.860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 110, 1) }
```

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

```
.background{ background-color: rgb(238,  
110, 1) }
```

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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