

Converting Colors

CIELCh(61, 80.298, 55.256)

Have a look what the booklet for
CIELCh(61, 80.298, 55.256) contains.

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Color

CIELCh(61, 80.193, 55.227)

Conversions

Conversions Part 1

Format	Color
Hex	EE6D12
RGB	238, 109, 18
RGB Percent	93%, 43%, 7%
CMY	0.0657, 0.5717, 0.9282
CMYK	0.00, 0.54, 0.92, 0.07
HSL	25°, 87%, 50%
HSV	25°, 92%, 93%
XYZ	40.9484, 29.2481, 4.0728
YIQ	137.1970, 106.0950, -0.9530

Conversions

Conversions Part 2

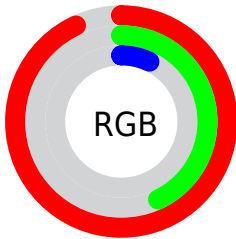
Format	Color
R_{YB}	238, 173, 18
Decimal	15625490
CIE _{Lab}	61.00, 45.74, 65.87
CIE _{LCh}	61, 80.193, 55.227
Yxy	29.2481, 0.5514, 0.3938
Android (android.graphics.Color)	4293815570 (0xFFEE6D12)
YUV	137.1970, -58.7641, 88.4042
Hunter-Lab	54.0815, 40.5105, 33.3921

Details

The CIELCh color **61, 80.193, 55.227** 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 **59, 54.410, 271.180**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 63.615, 65.036**, and **41, 70.043, 48.673** is the 20% darker color. If you saturate the color by 10%, you get **59, 84.839, 53.395**, and if you desaturate by 10%, it is **64, 72.206, 57.001**.

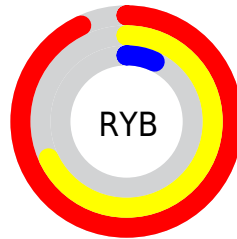
Distribution



Red (93%)

Green (43%)

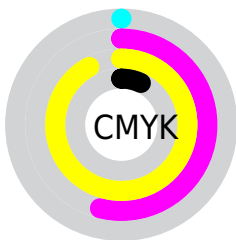
Blue (7%)



Red (93%)

Yellow (68%)

Blue (7%)

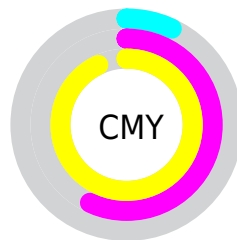


Cyan (0%)

Magenta (54%)

Yellow (92%)

Black (7%)



Cyan (7%)

Magenta (57%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 80.193, 55.227 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, 80.193, 55.227 by changing the saturation by 10% instead.

61, 80.193, 55.227

61, 80.193, 55.227

100, 80.193,
55.227

51, 80.193, 55.227

81, 80.193, 55.227

41, 80.193, 55.227

91, 80.193, 55.227

31, 80.193, 55.227

21, 80.193, 55.227

11, 80.193, 55.227

1, 80.193, 55.227

0, 80.193, 55.227

61, 80.193, 55.227

61, 80.193, 55.227

59, 84.839, 53.395

64, 72.206, 57.001

67, 62.733, 58.210

70, 52.855, 59.203

74, 43.137, 60.147

77, 33.832, 61.106

81, 25.030, 62.097

85, 16.747, 63.116

89, 8.960, 64.140

93, 1.629, 64.951

Harmonies

Complementary

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



61, 80.193, 55.227



59, 54.410, 271.180

Rectangle

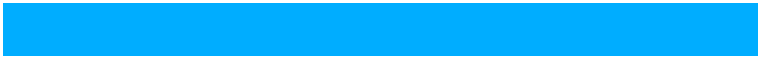
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



61, 80.193, 55.227



61, 80.193, 105.227



61, 80.193, 235.227



61, 80.193, 285.227

Sweetspot

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



61, 80.190, 55.229



88, 22.612, 62.524



53, 82.458, 351.143



45, 15.827, 62.085



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, 80.190, 55.229



63, 89.420, 53.250



86, 84.420, 96.474



48, 4.119, 64.423



46, 69.423, 54.052



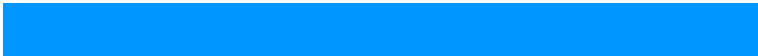
12, 23.706, 52.333

Inverse Universe

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



59, 54.410, 271.180



61, 61.552, 275.215



34, 115.868, 303.964



48, 3.974, 246.668



44, 47.279, 274.122



12, 18.422, 265.769

Previews

White Background



This preview shows how the CIELCh color 61, 80.193, 55.227 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, 80.193, 55.227 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, 80.193, 55.227

Background



This preview shows how black text looks on a background with the CIELCh color 61, 80.193, 55.227.



This preview shows how white text looks on a background with the CIELCh color 61, 80.193, 55.227.

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, 80.193, 55.227

Protanopia

61, 59.579, 95.375

Tritanopia

61, 59.065, 23.978

Trichromacy



Original Color
61, 80.193, 55.227

Protanomaly
60, 62.308, 77.289

Tritanomaly
61, 65.531, 40.082

Monochromacy



Original Color
61, 80.193, 55.227

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 28.717, 60.756

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 80.193, 55.227 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, 109, 18)` looks like.

```
.text, #text, p{  
    color:rgb(238, 109, 18)  
}
```

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, 109, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 109, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 80.193, 55.227 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, 109, 18) }
```

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

```
.border{ border-color:rgb(238, 109, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 109, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 109, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 109, 18);  
box-shadow:4px 4px 4px 4px rgb(238, 109,  
18) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 80.193, 55.227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 109, 18) }
```

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

```
.background{ background-color: rgb(238,  
109, 18) }
```

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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