

Converting Colors

CIELCh(59, 81.059, 55.927)

Have a look what the booklet for
CIELCh(59, 81.059, 55.927) contains.

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Color

CIELCh(59, 81.294, 55.787)

Conversions

Conversions Part 1

Format	Color
Hex	E86802
RGB	232, 104, 2
RGB Percent	91%, 41%, 1%
CMY	0.0906, 0.5924, 0.9927
CMYK	0.00, 0.55, 0.99, 0.09
HSL	27°, 98%, 46%
HSV	27°, 99%, 91%
XYZ	38.1993, 27.0277, 3.2569
YIQ	130.6440, 109.0300, -4.5860

Conversions

Conversions Part 2

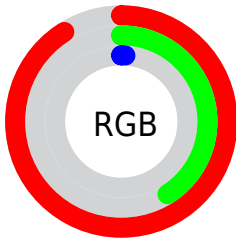
Format	Color
R_{YB}	232, 185, 2
Decimal	15230978
CIE _{Lab}	59.00, 45.71, 67.23
CIE _{LCh}	59, 81.294, 55.787
Yxy	27.0277, 0.5578, 0.3947
Android (android.graphics.Color)	4293421058 (0xFFE86802)
YUV	130.6440, -63.4215, 88.8892
Hunter-Lab	51.9882, 40.1767, 32.6774

Details

The CIELCh color **59, 81.294, 55.787** 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, 60.281, 278.348**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **74, 66.672, 64.143**, and **39, 68.858, 47.839** is the 20% darker color. If you saturate the color by 10%, you get **59, 81.750, 55.602**, and if you desaturate by 10%, it is **62, 75.355, 58.261**.

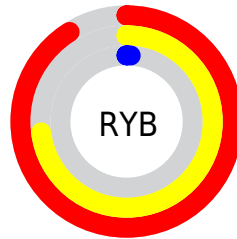
Distribution



Red (91%)

Green (41%)

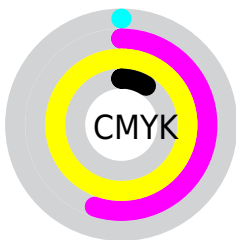
Blue (1%)



Red (91%)

Yellow (73%)

Blue (1%)

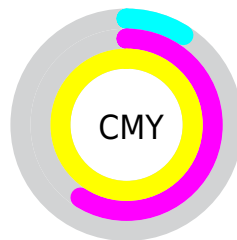


Cyan (0%)

Magenta (55%)

Yellow (99%)

Black (9%)



Cyan (9%)

Magenta (59%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 81.294, 55.787 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 59, 81.294, 55.787 by changing the saturation by 10% instead.

■ 59, 81.294, 55.787

■ 59, 81.294, 55.787

■ 100, 81.294,
55.787

■ 49, 81.294, 55.787

■ 79, 81.294, 55.787

■ 39, 81.294, 55.787

■ 89, 81.294, 55.787

■ 29, 81.294, 55.787

■ 99, 81.294, 55.787

■ 19, 81.294, 55.787

■ 9, 81.294, 55.787

■ 0, 81.294, 55.787

■ 59, 81.294, 55.787

■ 59, 81.294, 55.787

■ 59, 81.750, 55.602

■ 62, 75.355, 58.261

■ 64, 67.290, 60.004

67, 58.093, 61.311

71, 48.637, 62.451

74, 39.370, 63.546

77, 30.488, 64.644

81, 22.059, 65.756

85, 14.091, 66.876

88, 6.562, 67.975

Harmonies

Complementary

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



59, 81.294, 55.787



54, 60.281, 278.348

Rectangle

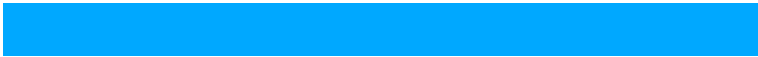
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



59, 81.294, 55.787



59, 81.294, 105.787



59, 81.294, 235.787



59, 81.294, 285.787

Sweetspot

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



59, 81.291, 55.789



88, 24.549, 65.649



51, 80.034, 356.120



45, 16.957, 65.177



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



59, 81.291, 55.789



64, 87.969, 55.391



85, 85.768, 98.400



46, 4.021, 67.948



46, 66.889, 56.294



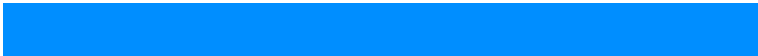
11, 21.033, 54.502

Inverse Universe

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



54, 60.281, 278.348



59, 65.579, 278.993



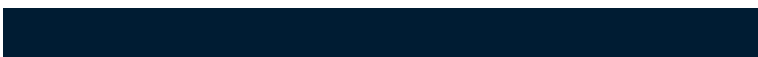
30, 121.259, 305.577



46, 3.899, 250.307



42, 49.173, 277.829



10, 17.978, 268.655

Previews

White Background



This preview shows how the CIELCh color 59, 81.294, 55.787 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 59, 81.294, 55.787 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 59, 81.294, 55.787

Background



This preview shows how black text looks on a background with the CIELCh color 59, 81.294, 55.787.



This preview shows how white text looks on a background with the CIELCh color 59, 81.294, 55.787.

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

59, 81.294, 55.787

Protanopia

59, 59.672, 95.149

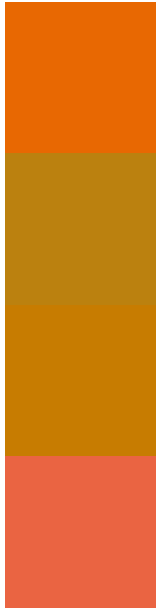
Deuteranopia

59, 64.557, 83.457



Tritanopia
59, 59.010, 24.217

Trichromacy



Original Color
59, 81.294, 55.787

Protanomaly
58, 63.070, 77.138

Deuteranomaly
59, 68.370, 71.311

Tritanomaly
59, 66.850, 41.751

Monochromacy



Original Color
59, 81.294, 55.787

Achromatopsia
55, 0.007, 296.813

Achromatomaly
55, 30.754, 63.248

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 81.294, 55.787 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(232, 104, 2)` looks like.

```
.text, #text, p{  
    color:rgb(232, 104, 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(232, 104, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 104, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 81.294, 55.787 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(232, 104, 2) }
```

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

```
.border{ border-color:rgb(232, 104, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 104, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 104, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 104, 2);  
box-shadow:4px 4px 4px 4px rgb(232, 104,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 81.294, 55.787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 104, 2) }
```

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

```
.background{ background-color: rgb(232,  
104, 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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