

Converting Colors

CIELCh(58, 80.104, 51.359)

Have a look what the booklet for
CIELCh(58, 80.104, 51.359) contains.

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Color

CIELCh(58, 80.076, 51.416)

Conversions

Conversions Part 1

Format	Color
Hex	EA6116
RGB	234, 97, 22
RGB Percent	92%, 38%, 9%
CMY	0.0840, 0.6210, 0.9154
CMYK	0.00, 0.59, 0.91, 0.08
HSL	21°, 83%, 50%
HSV	21°, 91%, 92%
XYZ	38.1746, 25.9610, 3.7362
YIQ	129.4130, 105.7270, 5.7190

Conversions

Conversions Part 2

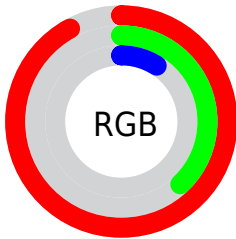
Format	Color
RYB	234, 138, 22
Decimal	15360278
CIELab	58.00, 49.94, 62.59
CIELCh	58, 80.076, 51.416
Yxy	25.9610, 0.5625, 0.3825
Android (android.graphics.Color)	4293550358 (0xFFEA6116)
YUV	129.4130, -52.9546, 91.7228
Hunter-Lab	50.9519, 44.5714, 31.3187

Details

The CIELCh color **58, 80.076, 51.416** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed orange. A complement of this color would be **62, 47.547, 261.631**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 63.677, 58.661**, and **38, 71.533, 45.314** is the 20% darker color. If you saturate the color by 10%, you get **56, 86.351, 49.744**, and if you desaturate by 10%, it is **61, 71.206, 52.550**.

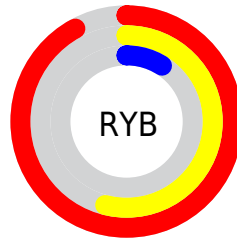
Distribution



Red (92%)

Green (38%)

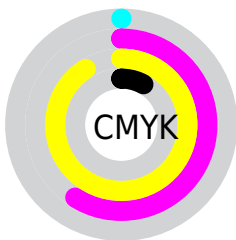
Blue (9%)



Red (92%)

Yellow (54%)

Blue (9%)

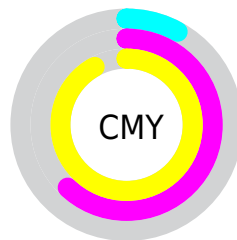


Cyan (0%)

Magenta (59%)

Yellow (91%)

Black (8%)



Cyan (8%)

Magenta (62%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 80.076, 51.416 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 58, 80.076, 51.416 by changing the saturation by 10% instead.

■ 58, 80.076, 51.416

■ 58, 80.076, 51.416

■ 100, 80.076,
51.416

■ 48, 80.076, 51.416

■ 78, 80.076, 51.416

■ 38, 80.076, 51.416

■ 88, 80.076, 51.416

■ 28, 80.076, 51.416

■ 98, 80.076, 51.416

■ 18, 80.076, 51.416

■ 8, 80.076, 51.416

■ 0, 80.076, 51.416

■ 58, 80.076, 51.416

■ 58, 80.076, 51.416

■ 56, 86.351, 49.744

■ 61, 71.206, 52.550

■ 64, 61.203, 53.224

68, 51.059, 53.774

71, 41.246, 54.347

75, 31.961, 54.987

79, 23.262, 55.702

84, 15.147, 56.477

88, 7.582, 57.278

92, 0.516, 57.184

Harmonies

Complementary

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



58, 80.076, 51.416



62, 47.547, 261.631

Rectangle

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



58, 80.076, 51.416



58, 80.076, 101.416



58, 80.076, 231.416



58, 80.076, 281.416

Sweetspot

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



58, 80.073, 51.418



88, 21.635, 55.978



52, 83.186, 346.921



45, 14.760, 55.718



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



58, 80.073, 51.418



60, 92.439, 49.569



82, 80.209, 92.964



47, 3.997, 57.379



44, 70.939, 50.349



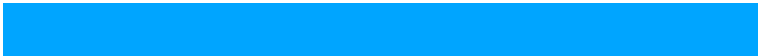
11, 22.947, 46.162

Inverse Universe

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



62, 47.547, 261.631



65, 54.573, 266.630



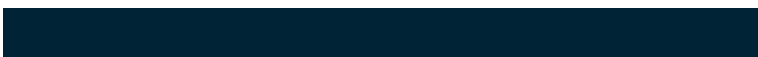
35, 107.210, 302.207



47, 3.824, 239.285



47, 41.598, 265.436



12, 16.266, 256.484

Previews

White Background



This preview shows how the CIELCh color 58, 80.076, 51.416 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 58, 80.076, 51.416 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 58, 80.076, 51.416

Background



This preview shows how black text looks on a background with the CIELCh color 58, 80.076, 51.416.



This preview shows how white text looks on a background with the CIELCh color 58, 80.076, 51.416.

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

58, 80.076, 51.416

Protanopia

58, 55.284, 95.387

Deuteranopia

58, 63.791, 83.613



Tritanopia
58, 62.740, 25.282

Trichromacy



Original Color
58, 80.076, 51.416

Protanomaly
57, 58.789, 73.972

Deuteranomaly
58, 67.139, 69.299

Tritanomaly
58, 68.170, 37.646

Monochromacy



Original Color
58, 80.076, 51.416

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 27.964, 54.337

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 80.076, 51.416 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(234, 97, 22)` looks like.

```
.text, #text, p{  
    color:rgb(234, 97, 22)  
}
```

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(234, 97, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 97, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 80.076, 51.416 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(234, 97, 22) }
```

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

```
.border{ border-color:rgb(234, 97, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 97, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 97, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 97, 22);  
box-shadow:4px 4px 4px 4px rgb(234, 97,  
22) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 80.076, 51.416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 97, 22) }
```

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

```
.background{ background-color: rgb(234, 97,  
22) }
```

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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