

Converting Colors

CIELCh(63, 80.122, 56.858)

Have a look what the booklet for
CIELCh(63, 80.122, 56.858) contains.

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Color

CIELCh(63, 80.115, 56.777)

Conversions

Conversions Part 1

Format	Color
Hex	F27415
RGB	242, 116, 21
RGB Percent	95%, 45%, 8%
CMY	0.0492, 0.5436, 0.9194
CMYK	0.00, 0.52, 0.92, 0.05
HSL	26°, 90%, 52%
HSV	26°, 92%, 95%
XYZ	43.1936, 31.5869, 4.5076
YIQ	142.8440, 105.5910, -2.8330

Conversions

Conversions Part 2

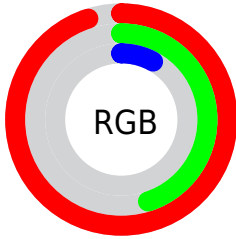
Format	Color
R _Y B	242, 188, 21
Decimal	15889429
CIE Lab	63.00, 43.89, 67.02
CIE LCh	63, 80.115, 56.777
Yxy	31.5869, 0.5448, 0.3984
Android (android.graphics.Color)	4294079509 (0xFFFF27415)
YUV	142.8440, -60.0691, 86.9598
Hunter-Lab	56.2022, 38.8304, 34.5863

Details

The CIELCh color **63, 80.115, 56.777** 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, 56.741, 273.257**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **76, 62.553, 68.084**, and **43, 69.811, 50.709** is the 20% darker color. If you saturate the color by 10%, you get **61, 85.134, 54.647**, and if you desaturate by 10%, it is **66, 72.101, 58.628**.

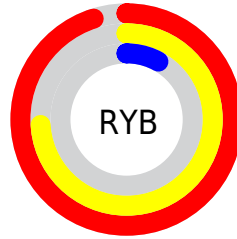
Distribution



Red (95%)

Green (45%)

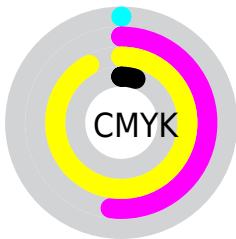
Blue (8%)



Red (95%)

Yellow (74%)

Blue (8%)

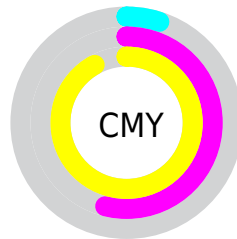


Cyan (0%)

Magenta (52%)

Yellow (92%)

Black (5%)



Cyan (5%)

Magenta (54%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 80.115, 56.777 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, 80.115, 56.777 by changing the saturation by 10% instead.

63, 80.115, 56.777

63, 80.115, 56.777

100, 80.115,
56.777

53, 80.115, 56.777

83, 80.115, 56.777

43, 80.115, 56.777

93, 80.115, 56.777

33, 80.115, 56.777

23, 80.115, 56.777

13, 80.115, 56.777

3, 80.115, 56.777

0, 80.115, 56.777

63, 80.115, 56.777

63, 80.115, 56.777

61, 85.134, 54.647

66, 72.101, 58.628

69, 62.630, 59.942

72, 52.748, 61.044

76, 43.009, 62.088

79, 33.661, 63.136

83, 24.797, 64.204

87, 16.431, 65.289

91, 8.542, 66.369

95, 1.094, 67.090

Harmonies

Complementary

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



63, 80.115, 56.777



59, 56.741, 273.257

Rectangle

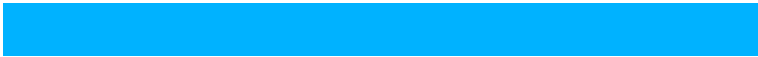
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63, 80.115, 56.777



63, 80.115, 106.777



63, 80.115, 236.777



63, 80.115, 286.777

Sweetspot

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



63, 80.112, 56.779



89, 21.828, 64.686



54, 82.843, 352.277



46, 14.861, 64.315



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, 80.112, 56.779



64, 88.522, 54.538



88, 86.312, 97.688



49, 4.220, 66.582



47, 69.481, 55.313



13, 24.826, 54.552

Inverse Universe

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



59, 56.741, 273.257



59, 63.982, 277.571



34, 118.300, 304.219



49, 4.083, 248.912



44, 49.652, 276.552



12, 19.673, 268.743

Previews

White Background



This preview shows how the CIELCh color 63, 80.115, 56.777 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, 80.115, 56.777 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, 80.115, 56.777

Background



This preview shows how black text looks on a background with the CIELCh color 63, 80.115, 56.777.



This preview shows how white text looks on a background with the CIELCh color 63, 80.115, 56.777.

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, 79.921, 56.674

Protanopia

63, 60.885, 95.180

Deuteranopia

63, 67.996, 83.464



Tritanopia
63, 57.967, 22.509

Trichromacy



Original Color
63, 79.921, 56.674

Protanomaly
62, 63.664, 78.103

Deuteranomaly
63, 70.545, 72.501

Tritanomaly
63, 64.499, 39.959

Monochromacy



Original Color
63, 79.921, 56.674

Achromatopsia
59, 0.008, 296.813

Achromatomaly
59, 28.911, 62.857

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 80.115, 56.777 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(242, 116, 21)` looks like.

```
.text, #text, p{  
    color:rgb(242, 116, 21)  
}
```

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(242, 116, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 116, 21) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 80.115, 56.777 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(242, 116, 21) }
```

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

```
.border{ border-color:rgb(242, 116, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 116, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 116, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 116, 21);  
box-shadow:4px 4px 4px 4px rgb(242, 116,  
21) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 80.115, 56.777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 116, 21) }
```

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

```
.background{ background-color: rgb(242,  
116, 21) }
```

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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