

Converting Colors

CIELCh(57, 60.521, 78.544)

Have a look what the booklet for
CIELCh(57, 60.521, 78.544) contains.

CIELCh(57, 60.443, 78.471)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(57, 60.443, 78.471)

Conversions

Conversions Part 1

Format	Color
Hex	B47F13
RGB	180, 127, 19
RGB Percent	71%, 50%, 7%
CMY	0.2942, 0.5020, 0.9256
CMYK	0.00, 0.29, 0.89, 0.29
HSL	40°, 81%, 39%
HSV	40°, 89%, 71%
XYZ	26.5227, 24.9227, 4.0276
YIQ	130.5350, 66.2560, -22.3520

Conversions

Conversions Part 2

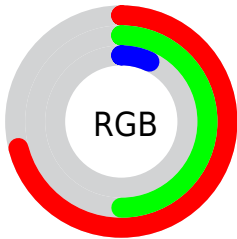
Format	Color
R _Y B	98, 180, 19
Decimal	11829011
CIE Lab	57.00, 12.08, 59.22
CIE LCh	57, 60.443, 78.471
Yxy	24.9227, 0.4781, 0.4493
Android (android.graphics.Color)	4290019091 (0xFFB47F13)
YUV	130.5350, -54.9868, 43.3808
Hunter-Lab	49.9226, 7.4682, 30.1625

Details

The CIELCh color **57, 60.443, 78.471** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **34, 67.013, 293.118**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **77, 60.316, 78.744**, and **37, 47.807, 74.257** is the 20% darker color. If you saturate the color by 10%, you get **55, 63.399, 76.216**, and if you desaturate by 10%, it is **59, 55.770, 80.395**.

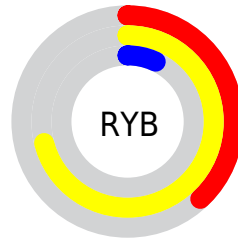
Distribution



Red (71%)

Green (50%)

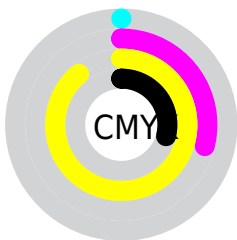
Blue (7%)



Red (38%)

Yellow (71%)

Blue (7%)

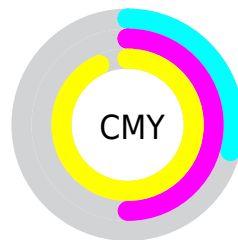


Cyan (0%)

Magenta (29%)

Yellow (89%)

Black (29%)



Cyan (29%)

Magenta (50%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 60.443, 78.471 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 57, 60.443, 78.471 by changing the saturation by 10% instead.

■ 57, 60.443, 78.471

■ 57, 60.443, 78.471

■ 100, 60.443,
78.471

■ 47, 60.443, 78.471

■ 77, 60.443, 78.471

■ 37, 60.443, 78.471

■ 87, 60.443, 78.471

■ 27, 60.443, 78.471

■ 97, 60.443, 78.471

■ 17, 60.443, 78.471

■ 7, 60.443, 78.471

■ 0, 60.443, 78.471

■ 57, 60.443, 78.471

■ 57, 60.443, 78.471

■ 55, 63.399, 76.216

■ 59, 55.770, 80.395

■ 55, 63.561, 76.097

■ 60, 49.662, 82.051

62, 42.765, 83.563

64, 35.515, 84.996

66, 28.164, 86.379

67, 20.848, 87.721

69, 13.635, 89.022

71, 6.554, 90.270

73, 0.383, 272.100

Harmonies

Complementary

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



57, 60.443, 78.471



34, 67.013, 293.118

Rectangle

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



57, 60.443, 78.471



57, 60.443, 128.471



57, 60.443, 258.471



57, 60.443, 308.471

Sweetspot

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



57, 60.442, 78.474



86, 23.660, 87.984



39, 63.164, 12.612



45, 15.980, 87.542



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



57, 60.442, 78.474



71, 77.486, 75.567



69, 73.346, 112.318



37, 3.899, 90.287



47, 56.404, 76.487



6, 8.456, 82.003

Inverse Universe

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



34, 67.013, 293.118



40, 93.928, 297.384



25, 95.887, 306.540



35, 3.901, 272.690



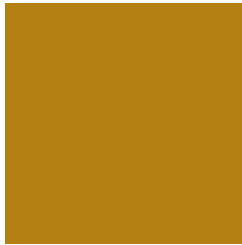
26, 66.222, 296.291



2, 10.169, 276.954

Previews

White Background



This preview shows how the CIELCh color 57, 60.443, 78.471 looks on a white background.

Color Contrast Check

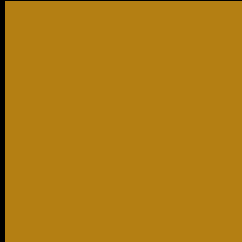
Large Text (above 18pt) WCAG AA ✓ Pass

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 57, 60.443, 78.471 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 57, 60.443, 78.471

Background



This preview shows how black text looks on a background with the CIELCh color 57, 60.443, 78.471.



This preview shows how white text looks on a background with the CIELCh color 57, 60.443, 78.471.

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

57, 60.443, 78.471

Protanopia

57, 57.824, 95.342

Deuteranopia

57, 59.969, 83.131



Tritanopia
57, 28.554, 12.704

Trichromacy



Original Color
57, 60.443, 78.471

Protanomaly
57, 58.040, 89.080

Deuteranomaly
57, 60.221, 81.294

Tritanomaly
57, 35.075, 53.277

Monochromacy



Original Color
57, 60.443, 78.471

Achromatopsia
55, 0.007, 296.813

Achromatomaly
55, 24.358, 87.016

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 60.443, 78.471 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(180, 127, 19)` looks like.

```
.text, #text, p{  
    color:rgb(180, 127, 19)  
}
```

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(180, 127, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 127, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 60.443, 78.471 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(180, 127, 19) }
```

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

```
.border{ border-color:rgb(180, 127, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 127, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 127, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 127, 19);  
box-shadow:4px 4px 4px 4px rgb(180, 127,  
19) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 60.443, 78.471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 127, 19) }
```

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

```
.background{ background-color: rgb(180,  
127, 19) }
```

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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