

Converting Colors

CIELCh(57, 78.057, 59.193)

Have a look what the booklet for
CIELCh(57, 78.057, 59.193) contains.

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Color

CIELCh(57, 76.517, 58.660)

Conversions

Conversions Part 1

Format	Color
Hex	DA6900
RGB	218, 105, 0
RGB Percent	85%, 41%, 0%
CMY	0.1461, 0.5891, 1.0000
CMYK	0.00, 0.52, 1.00, 0.15
HSL	29°, 100%, 43%
HSV	29°, 100%, 85%
XYZ	33.8613, 24.9227, 3.0153
YIQ	126.8170, 101.0530, -8.6990

Conversions

Conversions Part 2

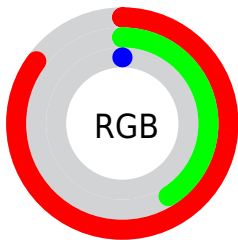
Format	Color
RYB	218, 203, 0
Decimal	14313728
CIELab	57.00, 39.80, 65.35
CIELCh	57, 76.517, 58.660
Yxy	24.9227, 0.5479, 0.4033
Android (android.graphics.Color)	4292503808 (0xFFDA6900)
YUV	126.8170, -62.5208, 79.9675
Hunter-Lab	49.9226, 33.7077, 31.3647

Details

The CIELCh color **57, 76.517, 58.660** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **48, 62.379, 282.709**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **74, 67.398, 64.522**, and **37, 63.572, 50.316** is the 20% darker color. If you saturate the color by 10%, you get **57, 76.458, 58.633**, and if you desaturate by 10%, it is **59, 71.248, 61.229**.

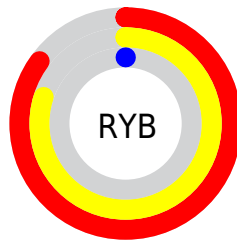
Distribution



Red (85%)

Green (41%)

Blue (0%)



Red (85%)

Yellow (80%)

Blue (0%)

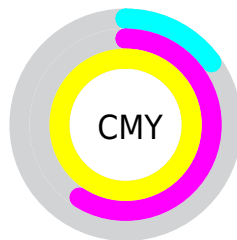


Cyan (0%)

Magenta (52%)

Yellow (100%)

Black (15%)



Cyan (15%)

Magenta (59%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 76.517, 58.660 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, 76.517, 58.660 by changing the saturation by 10% instead.

■ 57, 76.517, 58.660

■ 57, 76.517, 58.660

■ 100, 76.517,
58.660

■ 47, 76.517, 58.660

■ 77, 76.517, 58.660

■ 37, 76.517, 58.660

■ 87, 76.517, 58.660

■ 27, 76.517, 58.660

■ 97, 76.517, 58.660

■ 17, 76.517, 58.660

■ 7, 76.517, 58.660

■ 0, 76.517, 58.660

■ 57, 76.517, 58.660

■ 57, 76.517, 58.660

■ 57, 76.458, 58.633

■ 59, 71.248, 61.229

■ 62, 64.120, 63.198

65, 55.755, 64.712

68, 46.999, 66.030

71, 38.312, 67.275

74, 29.906, 68.500

77, 21.865, 69.720

80, 14.210, 70.931

84, 6.928, 72.113

Harmonies

Complementary

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



57, 76.517, 58.660



48, 62.379, 282.709

Rectangle

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



57, 76.517, 58.660



57, 76.517, 108.660



57, 76.517, 238.660



57, 76.517, 288.660

Sweetspot

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



57, 76.458, 58.633



89, 24.873, 69.687



47, 75.652, 359.337



46, 17.155, 69.169



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



57, 76.458, 58.633



66, 86.330, 58.267



82, 83.903, 100.687



44, 3.950, 72.177



46, 64.284, 59.267



10, 18.360, 57.622

Inverse Universe

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



48, 62.379, 282.709



56, 70.901, 283.153



27, 117.362, 305.960



44, 3.854, 254.635



38, 51.851, 281.935



8, 17.590, 271.827

Previews

White Background



This preview shows how the CIELCh color 57, 76.517, 58.660 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, 76.517, 58.660 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, 76.517, 58.660

Background



This preview shows how black text looks on a background with the CIELCh color 57, 76.517, 58.660.



This preview shows how white text looks on a background with the CIELCh color 57, 76.517, 58.660.

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, 76.517, 58.660

Protanopia

57, 58.562, 95.352

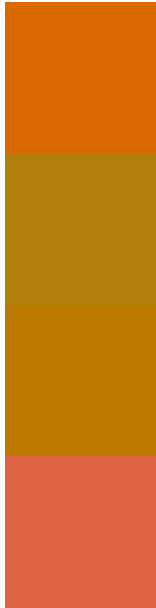
Deuteranopia

57, 62.911, 83.253



Tritanopia
57, 53.146, 22.534

Trichromacy



Original Color
57, 76.517, 58.660

Protanomaly
56, 61.352, 79.093

Deuteranomaly
57, 66.138, 72.765

Tritanomaly
57, 61.027, 42.826

Monochromacy



Original Color
57, 76.517, 58.660

Achromatopsia
53, 0.007, 296.813

Achromatomaly
53, 29.322, 67.455

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 76.517, 58.660 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(218, 105, 0)` looks like.

```
.text, #text, p{  
    color:rgb(218, 105, 0)  
}
```

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(218, 105, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 105, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 76.517, 58.660 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(218, 105, 0) }
```

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

```
.border{ border-color:rgb(218, 105, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 105, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 105, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 105, 0);  
box-shadow:4px 4px 4px 4px rgb(218, 105,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 76.517, 58.660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 105, 0) }
```

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

```
.background{ background-color: rgb(218,  
105, 0) }
```

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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