

Converting Colors

CIELCh(57, 75.013, 57.236)

Have a look what the booklet for
CIELCh(57, 75.013, 57.236) contains.

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Color

CIELCh(57, 75.227, 57.148)

Conversions

Conversions Part 1

Format	Color
Hex	DB680C
RGB	219, 104, 12
RGB Percent	86%, 41%, 5%
CMY	0.1420, 0.5928, 0.9540
CMYK	0.00, 0.53, 0.95, 0.14
HSL	27°, 90%, 45%
HSV	27°, 95%, 86%
XYZ	34.1518, 24.9227, 3.3494
YIQ	127.8970, 98.0720, -4.2320

Conversions

Conversions Part 2

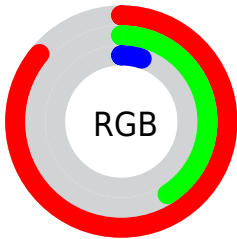
Format	Color
RYB	219, 178, 12
Decimal	14379020
CIELab	57.00, 40.81, 63.20
CIElCh	57, 75.227, 57.148
Yxy	24.9227, 0.5471, 0.3992
Android (android.graphics.Color)	4292569100 (0xFFDB680C)
YUV	127.8970, -57.1372, 79.8973
Hunter-Lab	49.9226, 34.7464, 30.9680

Details

The CIELCh color **57, 75.227, 57.148** 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 **52, 55.199, 276.132**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 65.597, 63.049**, and **37, 64.183, 49.813** is the 20% darker color. If you saturate the color by 10%, you get **56, 78.122, 55.829**, and if you desaturate by 10%, it is **60, 68.572, 59.282**.

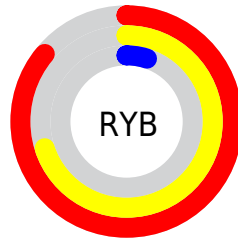
Distribution



Red (86%)

Green (41%)

Blue (5%)



Red (86%)

Yellow (70%)

Blue (5%)

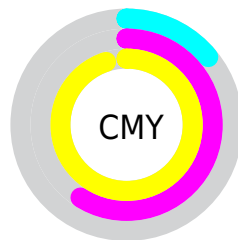


Cyan (0%)

Magenta (53%)

Yellow (95%)

Black (14%)



Cyan (14%)

Magenta (59%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 75.227, 57.148 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, 75.227, 57.148 by changing the saturation by 10% instead.

■ 57, 75.227, 57.148

■ 57, 75.227, 57.148

■ 100, 75.227,
57.148

■ 47, 75.227, 57.148

■ 77, 75.227, 57.148

■ 37, 75.227, 57.148

■ 87, 75.227, 57.148

■ 27, 75.227, 57.148

■ 97, 75.227, 57.148

■ 17, 75.227, 57.148

■ 7, 75.227, 57.148

■ 0, 75.227, 57.148

■ 57, 75.227, 57.148

■ 57, 75.227, 57.148

■ 56, 78.122, 55.829

■ 60, 68.572, 59.282

■ 62, 60.235, 60.772

- 65, 51.277, 61.979
- 68, 42.314, 63.090
- 72, 33.637, 64.185
- 75, 25.365, 65.290
- 79, 17.531, 66.407
- 82, 10.125, 67.523
- 86, 3.120, 68.559

Harmonies

Complementary

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



57, 75.227, 57.148



52, 55.199, 276.132

Rectangle

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



57, 75.227, 57.148



57, 75.227, 107.148



57, 75.227, 237.148



57, 75.227, 287.148

Sweetspot

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



57, 75.225, 57.150



89, 22.788, 66.004



48, 76.371, 354.463



46, 15.931, 65.518



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, 75.225, 57.150



64, 87.914, 55.478



81, 81.340, 98.666



44, 3.876, 68.089



45, 65.390, 56.470



10, 18.455, 53.470

Inverse Universe

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



52, 55.199, 276.132



58, 65.742, 279.133



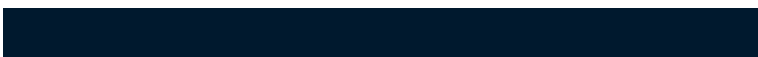
29, 112.926, 304.977



44, 3.759, 250.442



40, 48.152, 277.858



8, 16.587, 267.471

Previews

White Background



This preview shows how the CIELCh color 57, 75.227, 57.148 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, 75.227, 57.148 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, 75.227, 57.148

Background



This preview shows how black text looks on a background with the CIELCh color 57, 75.227, 57.148.



This preview shows how white text looks on a background with the CIELCh color 57, 75.227, 57.148.

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, 75.227, 57.148

Protanopia

57, 57.562, 95.338

Deuteranopia

57, 62.730, 83.654



Tritanopia
57, 53.697, 23.201

Trichromacy



Original Color
57, 75.227, 57.148

Protanomaly
57, 59.902, 78.702

Deuteranomaly
56, 65.491, 72.039

Tritanomaly
57, 60.426, 40.688

Monochromacy



Original Color
57, 75.227, 57.148

Achromatopsia
54, 0.007, 296.813

Achromatomaly
53, 27.400, 63.577

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 75.227, 57.148 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(219, 104, 12)` looks like.

```
.text, #text, p{  
    color:rgb(219, 104, 12)  
}
```

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(219, 104, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 104, 12) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 75.227, 57.148 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(219, 104, 12) }
```

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

```
.border{ border-color:rgb(219, 104, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 104, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 104, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 104, 12);  
box-shadow:4px 4px 4px 4px rgb(219, 104,  
12) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 75.227, 57.148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 104, 12) }
```

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

```
.background{ background-color: rgb(219,  
104, 12) }
```

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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