

Converting Colors

CIELCh(57, 78.246, 57.230)

Have a look what the booklet for
CIELCh(57, 78.246, 57.230) contains.

CIELCh(57, 78.068, 57.056)	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, 78.068, 57.056)

Conversions

Conversions Part 1	
Format	Color
Hex	DD6600
RGB	221, 102, 0
RGB Percent	87%, 40%, 0%
CMY	0.1328, 0.5995, 0.9992
CMYK	0.00, 0.54, 1.00, 0.13
HSL	28°, 100%, 43%
HSV	28°, 100%, 87%
XYZ	34.6286, 24.9227, 2.9912
YIQ	125.9530, 103.6660, -6.4940

Conversions

Conversions Part 2

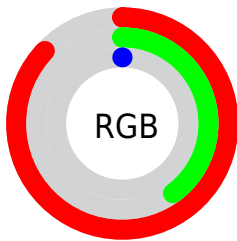
Format	Color
RYB	221, 189, 0
Decimal	14509568
CIELab	57.00, 42.45, 65.51
CIELCh	57, 78.068, 57.056
Yxy	24.9227, 0.5537, 0.3985
Android (android.graphics.Color)	4292699648 (0xFFDD6600)
YUV	125.9530, -62.0948, 83.3562
Hunter-Lab	49.9226, 36.4511, 31.3934

Details

The CIELCh color **57, 78.068, 57.056** 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 **50, 60.577, 280.562**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 67.488, 63.087**, and **37, 65.242, 48.659** is the 20% darker color. If you saturate the color by 10%, you get **57, 78.117, 57.037**, and if you desaturate by 10%, it is **59, 72.554, 59.582**.

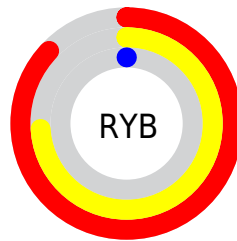
Distribution



Red (87%)

Green (40%)

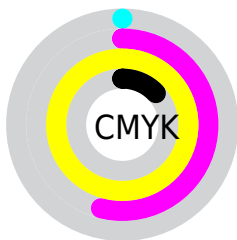
Blue (0%)



Red (87%)

Yellow (74%)

Blue (0%)

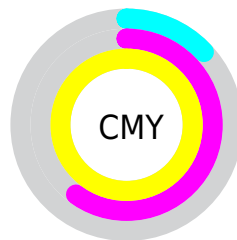


Cyan (0%)

Magenta (54%)

Yellow (100%)

Black (13%)



Cyan (13%)

Magenta (60%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 78.068, 57.056 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, 78.068, 57.056 by changing the saturation by 10% instead.

 57, 78.068, 57.056

 57, 78.068, 57.056

 100, 78.068,
57.056

 47, 78.068, 57.056

 77, 78.068, 57.056

 37, 78.068, 57.056

 87, 78.068, 57.056

 27, 78.068, 57.056

 97, 78.068, 57.056

 17, 78.068, 57.056

 7, 78.068, 57.056

 0, 78.068, 57.056

 57, 78.068, 57.056

 57, 78.068, 57.056

 57, 78.117, 57.037

 59, 72.554, 59.582

 62, 65.089, 61.453

65, 56.432, 62.870

68, 47.444, 64.100

71, 38.577, 65.270

74, 30.038, 66.431

78, 21.904, 67.596

81, 14.188, 68.761

85, 6.873, 69.902

Harmonies

Complementary

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



57, 78.068, 57.056



50, 60.577, 280.562

Rectangle

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



57, 78.068, 57.056



57, 78.068, 107.056



57, 78.068, 237.056



57, 78.068, 287.056

Sweetspot

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



57, 78.065, 57.058



88, 24.685, 67.557



48, 76.877, 357.786



45, 17.039, 67.061



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, 78.065, 57.058



65, 87.175, 56.710



83, 83.855, 99.550



44, 3.907, 69.955



45, 64.872, 57.708



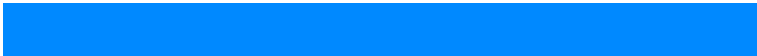
10, 18.400, 55.332

Inverse Universe

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



50, 60.577, 280.562



57, 68.034, 281.012



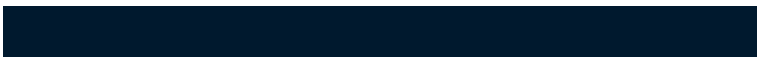
28, 118.039, 305.799



44, 3.799, 252.361



39, 49.793, 279.762



8, 17.033, 269.517

Previews

White Background



This preview shows how the CIELCh color 57, 78.068, 57.056 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, 78.068, 57.056 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, 78.068, 57.056

Background



This preview shows how black text looks on a background with the CIELCh color 57, 78.068, 57.056.



This preview shows how white text looks on a background with the CIELCh color 57, 78.068, 57.056.

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, 78.068, 57.056

Protanopia

57, 58.324, 95.349

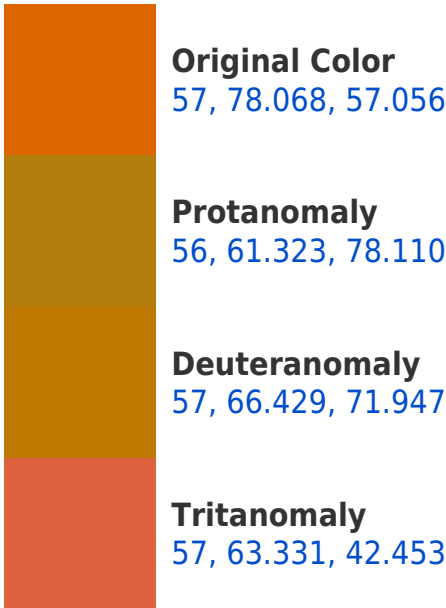
Deuteranopia

57, 62.730, 83.654



Tritanopia
57, 55.479, 23.651

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 78.068, 57.056 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(221, 102, 0)` looks like.

```
.text, #text, p{  
    color:rgb(221, 102, 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(221, 102, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 102, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 78.068, 57.056 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(221, 102, 0) }
```

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

```
.border{ border-color:rgb(221, 102, 0) }
```

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

Here you see how a box with a 4 pixel rgb(221, 102, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 102, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 102, 0);  
box-shadow:4px 4px 4px 4px rgb(221, 102,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 78.068, 57.056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 102, 0) }
```

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

```
.background{ background-color: rgb(221,  
102, 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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor