

Converting Colors

CIELCh(61, 69.159, 68.073)

Have a look what the booklet for
CIELCh(61, 69.159, 68.073) contains.

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Color

CIELCh(61, 69.306, 67.894)

Conversions

Conversions Part 1

Format	Color
Hex	D47F12
RGB	212, 127, 18
RGB Percent	83%, 50%, 7%
CMY	0.1683, 0.5017, 0.9290
CMYK	0.00, 0.40, 0.91, 0.17
HSL	34°, 84%, 45%
HSV	34°, 91%, 83%
XYZ	34.8816, 29.2481, 4.3837
YIQ	139.9890, 85.6490, -15.8790

Conversions

Conversions Part 2

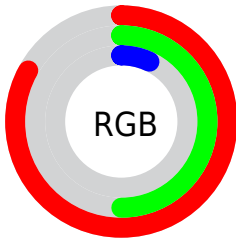
Format	Color
RYB	169, 212, 18
Decimal	13926162
CIELab	61.00, 26.08, 64.21
CIElCh	61, 69.306, 67.894
Yxy	29.2481, 0.5091, 0.4269
Android (android.graphics.Color)	4292116242 (0xFFD47F12)
YUV	139.9890, -60.1406, 63.1536
Hunter-Lab	54.0815, 20.4866, 33.0512

Details

The CIELCh color **61, 69.306, 67.894** 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 **45, 65.081, 286.427**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **79, 63.941, 73.630**, and **41, 57.263, 62.056** is the 20% darker color. If you saturate the color by 10%, you get **59, 72.713, 65.551**, and if you desaturate by 10%, it is **63, 63.526, 70.146**.

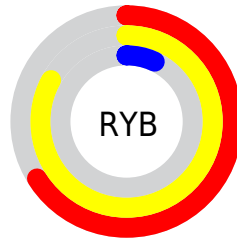
Distribution



Red (83%)

Green (50%)

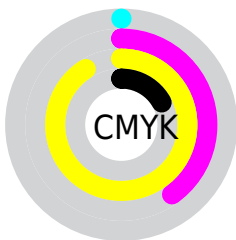
Blue (7%)



Red (66%)

Yellow (83%)

Blue (7%)

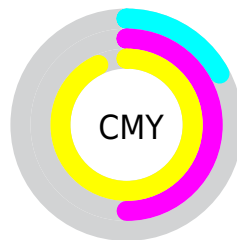


Cyan (0%)

Magenta (40%)

Yellow (91%)

Black (17%)



Cyan (17%)

Magenta (50%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 69.306, 67.894 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 61, 69.306, 67.894 by changing the saturation by 10% instead.

61, 69.306, 67.894

61, 69.306, 67.894

100, 69.306,
67.894

51, 69.306, 67.894

81, 69.306, 67.894

41, 69.306, 67.894

91, 69.306, 67.894

31, 69.306, 67.894

21, 69.306, 67.894

11, 69.306, 67.894

1, 69.306, 67.894

0, 69.306, 67.894

61, 69.306, 67.894

61, 69.306, 67.894

59, 72.713, 65.551

63, 63.526, 70.146

66, 56.157, 71.936

68, 48.054, 73.495

71, 39.748, 74.945

73, 31.519, 76.339

76, 23.498, 77.698

79, 15.737, 79.025

82, 8.250, 80.309

85, 1.026, 81.291

Harmonies

Complementary

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



61, 69.306, 67.894



45, 65.081, 286.427

Rectangle

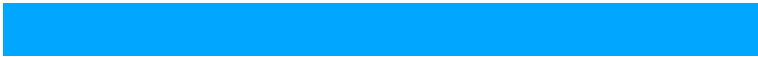
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



61, 69.306, 67.894



61, 69.306, 117.894



61, 69.306, 247.894



61, 69.306, 297.894

Sweetspot

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



61, 69.304, 67.897



91, 23.241, 78.257



46, 71.993, 3.469



47, 15.760, 77.796



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



61, 69.304, 67.897



70, 83.670, 65.136



82, 82.695, 105.903



44, 4.103, 80.561



48, 61.790, 66.134



10, 17.201, 66.663

Inverse Universe

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



45, 65.081, 286.427



50, 83.173, 290.424



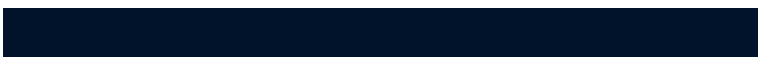
28, 111.784, 305.818



43, 4.050, 263.104



34, 59.975, 289.295



6, 18.729, 278.109

Previews

White Background



This preview shows how the CIELCh color 61, 69.306, 67.894 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 61, 69.306, 67.894 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 61, 69.306, 67.894

Background



This preview shows how black text looks on a background with the CIELCh color 61, 69.306, 67.894.



This preview shows how white text looks on a background with the CIELCh color 61, 69.306, 67.894.

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

61, 69.306, 67.894

Protanopia

61, 60.676, 95.392

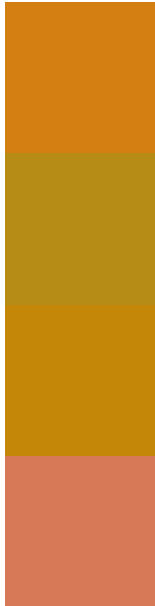
Deuteranopia

61, 66.371, 83.273



Tritanopia
61, 41.367, 17.572

Trichromacy



Original Color
61, 69.306, 67.894

Protanomaly
61, 61.859, 84.153

Deuteranomaly
61, 66.791, 77.340

Tritanomaly
61, 48.071, 45.869

Monochromacy



Original Color
61, 69.306, 67.894

Achromatopsia
58, 0.007, 296.813

Achromatomaly
58, 26.197, 75.899

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 69.306, 67.894 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(212, 127, 18)` looks like.

```
.text, #text, p{  
    color:rgb(212, 127, 18)  
}
```

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(212, 127, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 127, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 69.306, 67.894 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(212, 127, 18) }
```

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

```
.border{ border-color:rgb(212, 127, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 127, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 127, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 127, 18);  
box-shadow:4px 4px 4px 4px rgb(212, 127,  
18) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 69.306, 67.894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 127, 18) }
```

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

```
.background{ background-color: rgb(212,  
127, 18) }
```

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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