

Converting Colors

CIELCh(61, 73.524, 67.500)

Have a look what the booklet for
CIELCh(61, 73.524, 67.500) contains.

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Color

CIELCh(61, 73.112, 67.303)

Conversions

Conversions Part 1

Format	Color
Hex	D77D01
RGB	215, 125, 1
RGB Percent	84%, 49%, 0%
CMY	0.1554, 0.5086, 0.9976
CMYK	0.00, 0.42, 1.00, 0.16
HSL	35°, 99%, 42%
HSV	35°, 100%, 84%
XYZ	35.5079, 29.2481, 3.7912
YIQ	137.7740, 93.4440, -19.4840

Conversions

Conversions Part 2

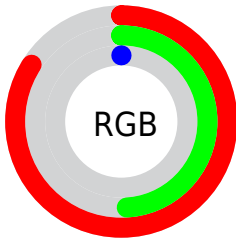
Format	Color
RYB	156, 215, 1
Decimal	14122241
CIELab	61.00, 28.21, 67.45
CIElCh	61, 73.112, 67.303
Yxy	29.2481, 0.5180, 0.4267
Android (android.graphics.Color)	4292312321 (0xFFD77D01)
YUV	137.7740, -67.4296, 67.7272
Hunter-Lab	54.0815, 22.5535, 33.7007

Details

The CIELCh color **61, 73.112, 67.303** 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 **42, 74.850, 291.343**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 66.470, 73.629**, and **41, 58.638, 60.113** is the 20% darker color. If you saturate the color by 10%, you get **61, 73.218, 67.231**, and if you desaturate by 10%, it is **63, 69.192, 70.015**.

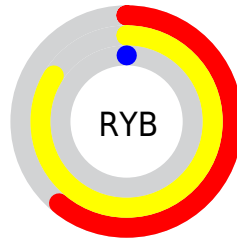
Distribution



Red (84%)

Green (49%)

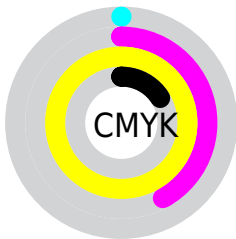
Blue (0%)



Red (61%)

Yellow (84%)

Blue (0%)

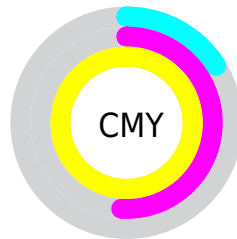


Cyan (0%)

Magenta (42%)

Yellow (100%)

Black (16%)



Cyan (16%)

Magenta (51%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 73.112, 67.303 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, 73.112, 67.303 by changing the saturation by 10% instead.

61, 73.112, 67.303

61, 73.112, 67.303

100, 73.112,
67.303

51, 73.112, 67.303

81, 73.112, 67.303

41, 73.112, 67.303

91, 73.112, 67.303

31, 73.112, 67.303

21, 73.112, 67.303

11, 73.112, 67.303

1, 73.112, 67.303

0, 73.112, 67.303

61, 73.112, 67.303

61, 73.112, 67.303

61, 73.218, 67.231

63, 69.192, 70.015

65, 63.209, 72.175

68, 55.716, 73.936

70, 47.527, 75.496

73, 39.141, 76.956

75, 30.821, 78.363

78, 22.692, 79.731

81, 14.805, 81.064

83, 7.172, 82.345

Harmonies

Complementary

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



61, 73.112, 67.303



42, 74.850, 291.343

Rectangle

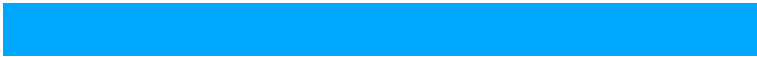
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



61, 73.112, 67.303



61, 73.112, 117.303



61, 73.112, 247.303



61, 73.112, 297.303

Sweetspot

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



61, 73.110, 67.305



90, 26.298, 79.654



46, 74.334, 8.855



47, 18.067, 79.075



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, 73.110, 67.305



71, 83.252, 66.863



82, 85.545, 106.990



44, 4.168, 82.382



49, 61.524, 67.836



11, 17.312, 68.902

Inverse Universe

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



42, 74.850, 291.343



49, 86.166, 291.859



27, 117.337, 306.436



43, 4.125, 264.925



33, 62.120, 290.764



6, 19.190, 279.431

Previews

White Background



This preview shows how the CIELCh color 61, 73.112, 67.303 looks on a white background.

Color Contrast Check

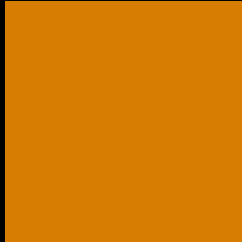
Large Text (above 18pt) WCAG AA ✓ Pass

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, 73.112, 67.303 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, 73.112, 67.303

Background



This preview shows how black text looks on a background with the CIELCh color 61, 73.112, 67.303.



This preview shows how white text looks on a background with the CIELCh color 61, 73.112, 67.303.

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, 72.965, 67.246

Protanopia

61, 62.585, 94.986

Deuteranopia

61, 66.371, 83.273



Tritanopia
61, 43.532, 18.248

Trichromacy



Original Color
61, 72.965, 67.246

Protanomaly
61, 64.378, 83.749

Deuteranomaly
61, 68.062, 77.268

Tritanomaly
60, 51.991, 47.360

Monochromacy



Original Color
61, 72.965, 67.246

Achromatopsia
57, 0.007, 296.813

Achromatomaly
58, 29.725, 77.115

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 73.112, 67.303 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(215, 125, 1)` looks like.

```
.text, #text, p{  
    color:rgb(215, 125, 1)  
}
```

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(215, 125, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 125, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 73.112, 67.303 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(215, 125, 1) }
```

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

```
.border{ border-color:rgb(215, 125, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 125, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 125, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 125, 1);  
box-shadow:4px 4px 4px 4px rgb(215, 125,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 73.112, 67.303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 125, 1) }
```

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

```
.background{ background-color: rgb(215,  
125, 1) }
```

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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