

Converting Colors

CIELCh(61, 76.130, 63.700)

Have a look what the booklet for
CIELCh(61, 76.130, 63.700) contains.

CIELCh(61, 75.982, 63.726)	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(61, 75.982, 63.726)

Conversions

Conversions Part 1

Format	Color
Hex	DF7900
RGB	223, 121, 0
RGB Percent	87%, 47%, 0%
CMY	0.1267, 0.5265, 1.0000
CMYK	0.00, 0.46, 1.00, 0.13
HSL	33°, 100%, 44%
HSV	33°, 100%, 87%
XYZ	37.1365, 29.2481, 3.6737
YIQ	137.7040, 99.6330, -16.0070

Conversions

Conversions Part 2

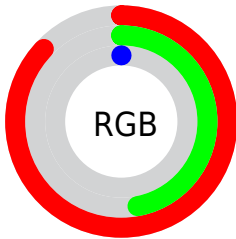
Format	Color
RYB	188, 223, 0
Decimal	14645504
CIELab	61.00, 33.63, 68.13
CIELCh	61, 75.982, 63.726
Yxy	29.2481, 0.5301, 0.4175
Android (android.graphics.Color)	4292835584 (0xFFDF7900)
YUV	137.7040, -67.8881, 74.8046
Hunter-Lab	54.0815, 27.9291, 33.8296

Details

The CIELCh color **61, 75.982, 63.726** 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, 71.748, 288.499**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **77, 66.572, 71.812**, and **41, 61.926, 56.421** is the 20% darker color. If you saturate the color by 10%, you get **61, 75.908, 63.698**, and if you desaturate by 10%, it is **63, 71.490, 66.462**.

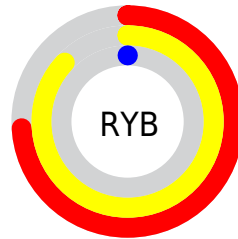
Distribution



Red (87%)

Green (47%)

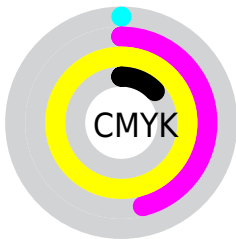
Blue (0%)



Red (74%)

Yellow (87%)

Blue (0%)

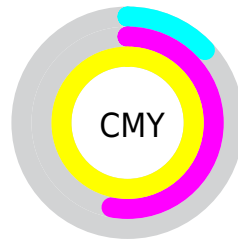


Cyan (0%)

Magenta (46%)

Yellow (100%)

Black (13%)



Cyan (13%)

Magenta (53%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 75.982, 63.726 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, 75.982, 63.726 by changing the saturation by 10% instead.

61, 75.982, 63.726

61, 75.982, 63.726

100, 75.982,
63.726

51, 75.982, 63.726

81, 75.982, 63.726

41, 75.982, 63.726

91, 75.982, 63.726

31, 75.982, 63.726

21, 75.982, 63.726

11, 75.982, 63.726

1, 75.982, 63.726

0, 75.982, 63.726

61, 75.982, 63.726

61, 75.982, 63.726

61, 75.908, 63.698

63, 71.490, 66.462

66, 64.994, 68.624

68, 57.028, 70.346

71, 48.452, 71.856

74, 39.771, 73.269

77, 31.240, 74.636

79, 22.973, 75.973

83, 15.010, 77.282

86, 7.355, 78.547

Harmonies

Complementary

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



61, 75.982, 63.726



45, 71.748, 288.499

Rectangle

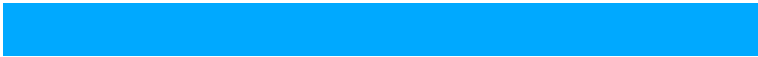
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



61, 75.982, 63.726



61, 75.982, 113.726



61, 75.982, 243.726



61, 75.982, 293.726

Sweetspot

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



61, 75.908, 63.698



90, 25.654, 75.943



48, 76.215, 5.822



46, 17.651, 75.378



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, 75.908, 63.698



69, 84.190, 63.394



86, 87.563, 104.939



46, 4.198, 78.614



49, 63.516, 64.324



12, 19.731, 65.014

Inverse Universe

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



45, 71.748, 288.499



52, 80.117, 288.843



28, 120.638, 306.365



45, 4.132, 261.164



36, 59.197, 287.779



7, 20.327, 278.680

Previews

White Background



This preview shows how the CIELCh color 61, 75.982, 63.726 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, 75.982, 63.726 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, 75.982, 63.726

Background



This preview shows how black text looks on a background with the CIELCh color 61, 75.982, 63.726.



This preview shows how white text looks on a background with the CIELCh color 61, 75.982, 63.726.

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, 75.982, 63.726

Protanopia

61, 62.383, 94.983

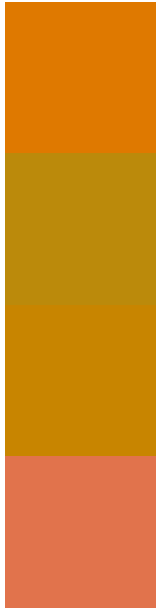
Deuteranopia

61, 66.371, 83.273



Tritanopia
61, 48.367, 20.274

Trichromacy



Original Color
61, 75.982, 63.726

Protanomaly
61, 64.514, 81.970

Deuteranomaly
61, 68.723, 75.315

Tritanomaly
61, 56.919, 45.704

Monochromacy



Original Color
61, 75.982, 63.726

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 30.363, 73.734

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 75.982, 63.726 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(223, 121, 0)` looks like.

```
.text, #text, p{  
    color:rgb(223, 121, 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(223, 121, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 121, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 75.982, 63.726 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(223, 121, 0) }
```

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

```
.border{ border-color:rgb(223, 121, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 121, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 121, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 121, 0);  
box-shadow:4px 4px 4px 4px rgb(223, 121,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 75.982, 63.726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 121, 0) }
```

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

```
.background{ background-color: rgb(223,  
121, 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