

Converting Colors

CIELCh(61, 71.591, 81.799)

Have a look what the booklet for
CIELCh(61, 71.591, 81.799) contains.

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Color

CIELCh(61, 66.944, 80.824)

Conversions

Conversions Part 1

Format	Color
Hex	BF8A00
RGB	191, 138, 0
RGB Percent	75%, 54%, 0%
CMY	0.2510, 0.4588, 1.0000
CMYK	0.00, 0.28, 1.00, 0.25
HSL	43°, 100%, 37%
HSV	43°, 100%, 75%
XYZ	30.5692, 29.2481, 4.0335
YIQ	138.1150, 75.8860, -31.6820

Conversions

Conversions Part 2

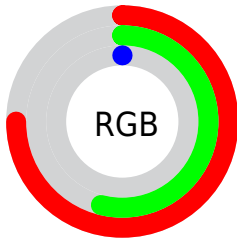
Format	Color
R_{YB}	73, 191, 0
Decimal	12552704
CIE _{Lab}	61.00, 10.68, 66.09
CIE _{LCh}	61, 66.944, 80.824
Yxy	29.2481, 0.4788, 0.4581
Android (android.graphics.Color)	4290742784 (0xFFBF8A00)
YUV	138.1150, -68.0907, 46.3801
Hunter-Lab	54.0815, 6.2531, 33.4351

Details

The CIELCh color **61, 66.944, 80.824** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **30, 85.741, 299.498**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **81, 66.921, 80.758**, and **41, 50.656, 76.506** is the 20% darker color. If you saturate the color by 10%, you get **61, 66.940, 80.826**, and if you desaturate by 10%, it is **62, 64.424, 82.841**.

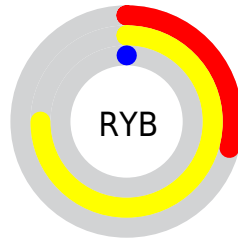
Distribution



Red (75%)

Green (54%)

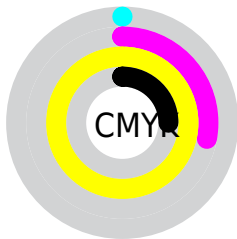
Blue (0%)



Red (29%)

Yellow (75%)

Blue (0%)

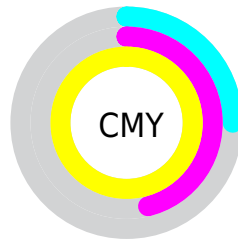


Cyan (0%)

Magenta (28%)

Yellow (100%)

Black (25%)



Cyan (25%)

Magenta (46%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 66.944, 80.824 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, 66.944, 80.824 by changing the saturation by 10% instead.

61, 66.944, 80.824

61, 66.944, 80.824

100, 66.944,
80.824

51, 66.944, 80.824

81, 66.944, 80.824

41, 66.944, 80.824

91, 66.944, 80.824

31, 66.944, 80.824

21, 66.944, 80.824

11, 66.944, 80.824

1, 66.944, 80.824

0, 66.944, 80.824

61, 66.944, 80.824

61, 66.944, 80.824

61, 66.940, 80.826

62, 64.424, 82.841

64, 60.023, 84.600

65, 53.920, 86.154

67, 46.794, 87.598

68, 39.142, 88.981

70, 31.267, 90.323

72, 23.342, 91.629

74, 15.461, 92.898

75, 7.670, 94.120

Harmonies

Complementary

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



61, 66.944, 80.824



30, 85.741, 299.498

Rectangle

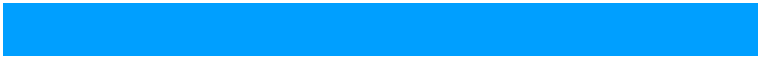
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



61, 66.944, 80.824



61, 66.944, 130.824



61, 66.944, 260.824



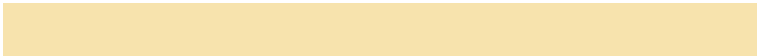
61, 66.944, 310.824

Sweetspot

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



61, 66.940, 80.826



91, 28.805, 91.568



40, 71.205, 22.747



48, 19.857, 91.014



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



61, 66.940, 80.826



77, 81.218, 80.416



72, 80.358, 115.639



39, 4.302, 94.198



51, 58.256, 81.188



8, 11.728, 85.650

Inverse Universe

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



30, 85.741, 299.498



39, 105.772, 300.005



24, 105.848, 307.388



37, 4.325, 276.535



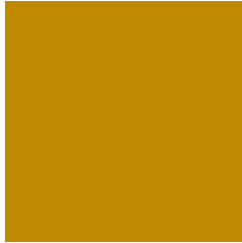
25, 73.493, 299.030



3, 14.081, 281.242

Previews

White Background



This preview shows how the CIELCh color 61, 66.944, 80.824 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, 66.944, 80.824 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, 66.944, 80.824

Background



This preview shows how black text looks on a background with the CIELCh color 61, 66.944, 80.824.



This preview shows how white text looks on a background with the CIELCh color 61, 66.944, 80.824.

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, 66.944, 80.824

Protanopia

61, 63.634, 94.999

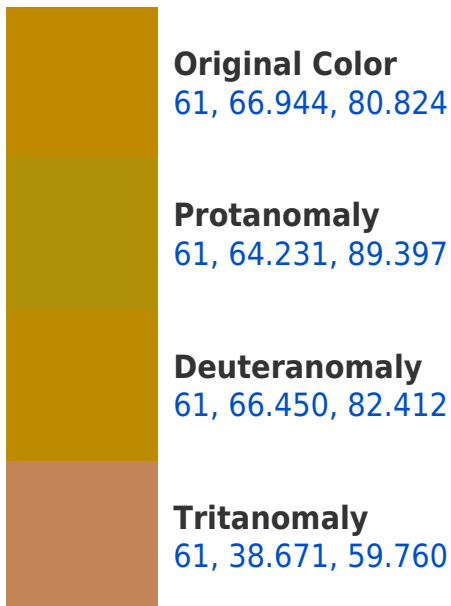
Deuteranopia

61, 66.371, 83.273



Tritanopia
61, 28.589, 11.519

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 66.944, 80.824 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(191, 138, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 138, 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(191, 138, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 138, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 66.944, 80.824 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(191, 138, 0) }
```

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

```
.border{ border-color:rgb(191, 138, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 138, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 138, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 138, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 138,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 66.944, 80.824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 138, 0) }
```

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

```
.background{ background-color: rgb(191,  
138, 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](#).

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