

Converting Colors

CIELCh(61, 75.718, 81.742)

Have a look what the booklet for
CIELCh(61, 75.718, 81.742) contains.

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Color

CIELCh(61, 67.146, 80.464)

Conversions

Conversions Part 1

Format	Color
Hex	C08A00
RGB	192, 138, 0
RGB Percent	75%, 54%, 0%
CMY	0.2485, 0.4600, 1.0000
CMYK	0.00, 0.28, 1.00, 0.25
HSL	43°, 100%, 38%
HSV	43°, 100%, 75%
XYZ	30.6894, 29.2481, 4.0098
YIQ	138.4140, 76.4820, -31.4700

Conversions

Conversions Part 2

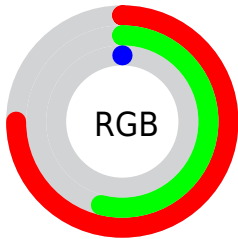
Format	Color
R_{YB}	75, 192, 0
Decimal	12618240
CIE Lab	61.00, 11.12, 66.22
CIE LCh	61, 67.146, 80.464
Yxy	29.2481, 0.4799, 0.4574
Android (android.graphics.Color)	4290808320 (0xFFC08A00)
YUV	138.4140, -68.2381, 46.9949
Hunter-Lab	54.0815, 6.6499, 33.4611

Details

The CIELCh color **61, 67.146, 80.464** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **30, 85.502, 299.323**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **81, 67.125, 80.424**, and **41, 50.913, 76.023** is the 20% darker color. If you saturate the color by 10%, you get **61, 67.051, 80.447**, and if you desaturate by 10%, it is **62, 64.510, 82.489**.

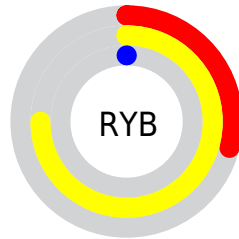
Distribution



Red (75%)

Green (54%)

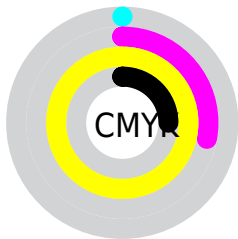
Blue (0%)



Red (29%)

Yellow (75%)

Blue (0%)

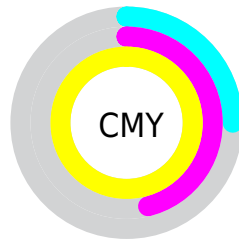


Cyan (0%)

Magenta (28%)

Yellow (100%)

Black (25%)



Cyan (25%)

Magenta (46%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 67.146, 80.464 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, 67.146, 80.464 by changing the saturation by 10% instead.

61, 67.146, 80.464

61, 67.146, 80.464

100, 67.146,
80.464

51, 67.146, 80.464

81, 67.146, 80.464

41, 67.146, 80.464

91, 67.146, 80.464

31, 67.146, 80.464

21, 67.146, 80.464

11, 67.146, 80.464

1, 67.146, 80.464

0, 67.146, 80.464

61, 67.146, 80.464

61, 67.146, 80.464

61, 67.051, 80.447

62, 64.510, 82.489

64, 60.078, 84.267

65, 53.946, 85.833

67, 46.799, 87.285

69, 39.132, 88.674

70, 31.249, 90.021

72, 23.323, 91.332

74, 15.444, 92.605

76, 7.660, 93.831

Harmonies

Complementary

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



61, 67.146, 80.464



30, 85.502, 299.323

Rectangle

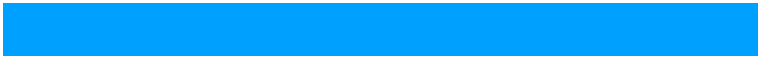
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



61, 67.146, 80.464



61, 67.146, 130.464



61, 67.146, 260.464



61, 67.146, 310.464

Sweetspot

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



61, 67.051, 80.447



91, 28.941, 91.269



40, 71.394, 22.762



48, 19.787, 90.716



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, 67.051, 80.447



78, 81.778, 80.022



72, 80.565, 115.641



40, 4.380, 93.905



52, 58.886, 80.787



9, 13.183, 84.795

Inverse Universe

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



30, 85.502, 299.323



40, 106.069, 299.845



25, 106.122, 307.387



38, 4.401, 276.257



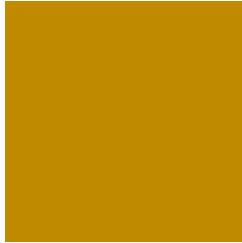
25, 74.041, 298.887



3, 15.725, 282.060

Previews

White Background



This preview shows how the CIELCh color 61, 67.146, 80.464 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, 67.146, 80.464 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, 67.146, 80.464

Background



This preview shows how black text looks on a background with the CIELCh color 61, 67.146, 80.464.



This preview shows how white text looks on a background with the CIELCh color 61, 67.146, 80.464.

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, 67.146, 80.464

Protanopia

61, 63.634, 94.999

Deuteranopia

61, 66.371, 83.273



Tritanopia
61, 28.995, 11.731

Trichromacy



Original Color
61, 67.146, 80.464

Protanomaly
61, 64.231, 89.397

Deuteranomaly
61, 66.640, 82.042

Tritanomaly
61, 39.032, 59.359

Monochromacy



Original Color
61, 67.146, 80.464

Achromatopsia
57, 0.007, 296.813

Achromatomaly
58, 29.505, 89.209

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 67.146, 80.464 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(192, 138, 0)` looks like.

```
.text, #text, p{  
    color:rgb(192, 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(192, 138, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 138, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 67.146, 80.464 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(192, 138, 0) }
```

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

```
.border{ border-color:rgb(192, 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(192, 138, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 138, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 138, 0);  
box-shadow:4px 4px 4px 4px rgb(192, 138,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 67.146, 80.464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 138, 0) }
```

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

```
.background{ background-color: rgb(192,  
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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