

Converting Colors

CIELCh(61, 67.281, 78.692)

Have a look what the booklet for
CIELCh(61, 67.281, 78.692) contains.

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Color

CIELCh(61, 67.355, 78.363)

Conversions

Conversions Part 1

Format	Color
Hex	C38802
RGB	195, 136, 2
RGB Percent	76%, 53%, 1%
CMY	0.2350, 0.4663, 0.9915
CMYK	0.00, 0.30, 0.99, 0.23
HSL	42°, 98%, 39%
HSV	42°, 99%, 77%
XYZ	31.3551, 29.2481, 4.0548
YIQ	138.3650, 78.1780, -29.1660

Conversions

Conversions Part 2

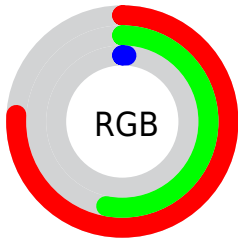
Format	Color
R_{YB}	87, 195, 2
Decimal	12814338
CIE Lab	61.00, 13.59, 65.97
CIE LCh	61, 67.355, 78.363
Yxy	29.2481, 0.4849, 0.4524
Android (android.graphics.Color)	4291004418 (0xFFC38802)
YUV	138.3650, -67.2279, 49.6689
Hunter-Lab	54.0815, 8.8469, 33.4118

Details

The CIELCh color **61, 67.355, 78.363** 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 **33, 82.761, 297.853**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **81, 66.885, 78.716**, and **41, 51.708, 73.263** is the 20% darker color. If you saturate the color by 10%, you get **61, 67.646, 78.124**, and if you desaturate by 10%, it is **63, 64.528, 80.552**.

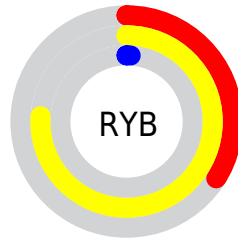
Distribution



Red (76%)

Green (53%)

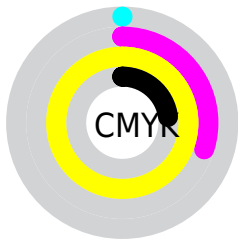
Blue (1%)



Red (34%)

Yellow (76%)

Blue (1%)

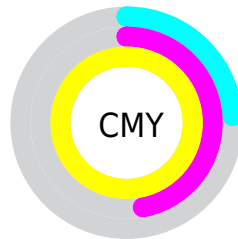


Cyan (0%)

Magenta (30%)

Yellow (99%)

Black (23%)



Cyan (24%)

Magenta (47%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 67.355, 78.363 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, 67.355, 78.363 by changing the saturation by 10% instead.

61, 67.355, 78.363

61, 67.355, 78.363

100, 67.355,
78.363

51, 67.355, 78.363

81, 67.355, 78.363

41, 67.355, 78.363

91, 67.355, 78.363

31, 67.355, 78.363

21, 67.355, 78.363

11, 67.355, 78.363

1, 67.355, 78.363

0, 67.355, 78.363

61, 67.355, 78.363

61, 67.355, 78.363

61, 67.646, 78.124

63, 64.528, 80.552

64, 59.679, 82.401

66, 53.237, 84.015

68, 45.891, 85.503

69, 38.117, 86.920

71, 30.194, 88.290

73, 22.277, 89.621

75, 14.444, 90.911

77, 6.732, 92.149

Harmonies

Complementary

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



61, 67.355, 78.363



33, 82.761, 297.853

Rectangle

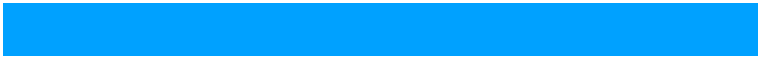
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



61, 67.355, 78.363



61, 67.355, 128.363



61, 67.355, 258.363



61, 67.355, 308.363

Sweetspot

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



61, 67.354, 78.366



92, 28.553, 89.414



41, 70.810, 19.255



48, 19.700, 88.844



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, 67.354, 78.366



77, 82.070, 77.677



74, 80.745, 113.754



40, 4.272, 92.092



51, 58.614, 78.533



8, 12.848, 82.011

Inverse Universe

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



33, 82.761, 297.853



42, 103.286, 298.721



25, 107.415, 307.057



38, 4.284, 274.485



26, 71.449, 297.688



3, 15.423, 281.071

Previews

White Background



This preview shows how the CIELCh color 61, 67.355, 78.363 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, 67.355, 78.363 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, 67.355, 78.363

Background



This preview shows how black text looks on a background with the CIELCh color 61, 67.355, 78.363.



This preview shows how white text looks on a background with the CIELCh color 61, 67.355, 78.363.

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, 67.355, 78.363

Protanopia

61, 63.478, 94.998

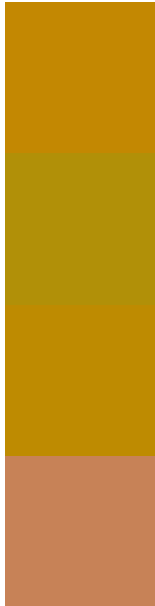
Deuteranopia

61, 66.371, 83.273



Tritanopia
61, 31.110, 12.786

Trichromacy



Original Color
61, 67.355, 78.363

Protanomaly
61, 64.212, 88.978

Deuteranomaly
61, 66.681, 81.646

Tritanomaly
61, 40.613, 56.944

Monochromacy



Original Color
61, 67.355, 78.363

Achromatopsia
57, 0.007, 296.813

Achromatomaly
58, 28.812, 87.012

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 67.355, 78.363 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(195, 136, 2)` looks like.

```
.text, #text, p{  
    color:rgb(195, 136, 2)  
}
```

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(195, 136, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 136, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 67.355, 78.363 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(195, 136, 2) }
```

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

```
.border{ border-color:rgb(195, 136, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 136, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 136, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 136, 2);  
box-shadow:4px 4px 4px 4px rgb(195, 136,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 67.355, 78.363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 136, 2) }
```

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

```
.background{ background-color: rgb(195,  
136, 2) }
```

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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