

Converting Colors

CIELCh(50, 61.258, 70.280)

Have a look what the booklet for
CIELCh(50, 61.258, 70.280) contains.

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Color

CIELCh(50, 61.291, 70.358)

Conversions

Conversions Part 1

Format	Color
Hex	AB6800
RGB	171, 104, 0
RGB Percent	67%, 41%, 0%
CMY	0.3314, 0.5938, 1.0000
CMYK	0.00, 0.39, 1.00, 0.33
HSL	36°, 100%, 33%
HSV	36°, 100%, 67%
XYZ	21.5920, 18.4187, 2.3990
YIQ	112.1770, 73.3160, -18.1400

Conversions

Conversions Part 2

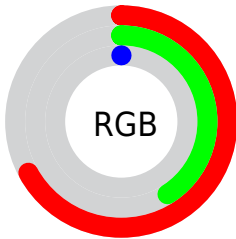
Format	Color
RYB	110, 171, 0
Decimal	11233280
CIELab	50.00, 20.60, 57.72
CIELCh	50, 61.291, 70.358
Yxy	18.4187, 0.5091, 0.4343
Android (android.graphics.Color)	4289423360 (0xFFAB6800)
YUV	112.1770, -55.3033, 51.5878
Hunter-Lab	42.9170, 14.7005, 26.7277

Details

The CIELCh color **50, 61.291, 70.358** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **32, 65.100, 292.696**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 61.412, 70.052**, and **30, 46.188, 62.671** is the 20% darker color. If you saturate the color by 10%, you get **50, 61.163, 70.309**, and if you desaturate by 10%, it is **52, 57.659, 72.726**.

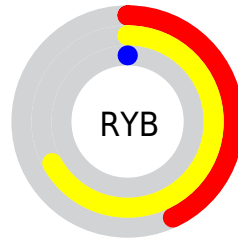
Distribution



Red (67%)

Green (41%)

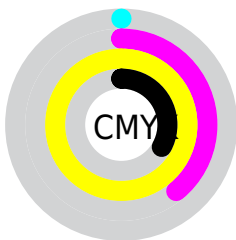
Blue (0%)



Red (43%)

Yellow (67%)

Blue (0%)

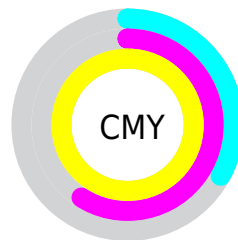


Cyan (0%)

Magenta (39%)

Yellow (100%)

Black (33%)



Cyan (33%)

Magenta (59%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 61.291, 70.358 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 50, 61.291, 70.358 by changing the saturation by 10% instead.

■ 50, 61.291, 70.358

■ 50, 61.291, 70.358

■ 100, 61.291,
70.358

■ 40, 61.291, 70.358

■ 70, 61.291, 70.358

■ 30, 61.291, 70.358

■ 80, 61.291, 70.358

■ 20, 61.291, 70.358

■ 90, 61.291, 70.358

■ 10, 61.291, 70.358

■ 0, 61.291, 70.358

■ 50, 61.291, 70.358

■ 50, 61.291, 70.358

■ 50, 61.163, 70.309

■ 52, 57.659, 72.726

■ 53, 52.764, 74.783

■ 55, 46.643, 76.500

■ 57, 39.926, 78.041

■ 59, 33.007, 79.490

■ 61, 26.099, 80.885

■ 63, 19.311, 82.240

■ 65, 12.690, 83.557

■ 68, 6.251, 84.822

Harmonies

Complementary

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



50, 61.291, 70.358



32, 65.100, 292.696

Rectangle

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



50, 61.291, 70.358



50, 61.291, 120.358



50, 61.291, 250.358



50, 61.291, 300.358

Sweetspot

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



50, 61.163, 70.309



80, 23.941, 82.168



36, 62.690, 11.328



42, 16.559, 81.617



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



50, 61.163, 70.309



64, 74.506, 69.661



66, 72.184, 108.926



35, 3.496, 84.910



44, 55.064, 70.726



4, 5.896, 78.573

Inverse Universe

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



32, 65.100, 292.696



41, 80.752, 293.432



20, 98.409, 306.641



33, 3.473, 267.364



27, 57.917, 292.211



2, 6.680, 270.774

Previews

White Background



This preview shows how the CIELCh color 50, 61.291, 70.358 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 50, 61.291, 70.358 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 50, 61.291, 70.358

Background



This preview shows how black text looks on a background with the CIELCh color 50, 61.291, 70.358.



This preview shows how white text looks on a background with the CIELCh color 50, 61.291, 70.358.

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

50, 61.291, 70.358

Protanopia

50, 53.427, 95.351

Deuteranopia

50, 56.747, 83.620



Tritanopia
50, 33.857, 17.372

Trichromacy



Original Color
50, 61.291, 70.358

Protanomaly
50, 54.740, 85.324

Deuteranomaly
50, 57.924, 78.762

Tritanomaly
50, 41.303, 49.615

Monochromacy



Original Color
50, 61.291, 70.358

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 25.084, 80.582

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 61.291, 70.358 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(171, 104, 0)` looks like.

```
.text, #text, p{  
    color:rgb(171, 104, 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(171, 104, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 104, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 61.291, 70.358 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(171, 104, 0) }
```

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

```
.border{ border-color:rgb(171, 104, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 104, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 104, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 104, 0);  
box-shadow:4px 4px 4px 4px rgb(171, 104,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 61.291, 70.358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 104, 0) }
```

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

```
.background{ background-color: rgb(171,  
104, 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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