

Converting Colors

CIELCh(50, 58.579, 73.585)

Have a look what the booklet for
CIELCh(50, 58.579, 73.585) contains.

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Color

CIELCh(50, 58.561, 73.853)

Conversions

Conversions Part 1

Format	Color
Hex	A56B04
RGB	165, 107, 4
RGB Percent	65%, 42%, 2%
CMY	0.3544, 0.5816, 0.9824
CMYK	0.00, 0.35, 0.97, 0.35
HSL	38°, 95%, 33%
HSV	38°, 97%, 65%
XYZ	20.6884, 18.4187, 2.5932
YIQ	112.6000, 67.6310, -19.7370

Conversions

Conversions Part 2

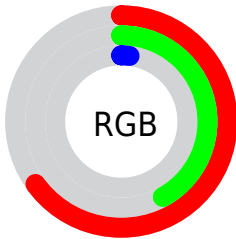
Format	Color
RYB	95, 165, 4
Decimal	10840836
CIELab	50.00, 16.29, 56.25
CIELCh	50, 58.561, 73.853
Yxy	18.4187, 0.4961, 0.4417
Android (android.graphics.Color)	4289030916 (0xFFA56B04)
YUV	112.6000, -53.5398, 45.9548
Hunter-Lab	42.9170, 10.9423, 26.4594

Details

The CIELCh color **50, 58.561, 73.853** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **30, 64.704, 293.672**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 58.878, 73.729**, and **30, 44.094, 67.215** is the 20% darker color. If you saturate the color by 10%, you get **50, 59.461, 73.255**, and if you desaturate by 10%, it is **52, 55.163, 76.139**.

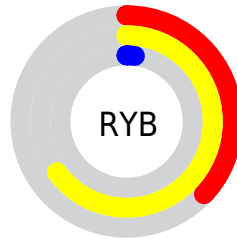
Distribution



Red (65%)

Green (42%)

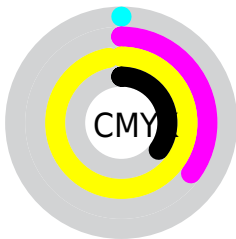
Blue (2%)



Red (37%)

Yellow (65%)

Blue (2%)

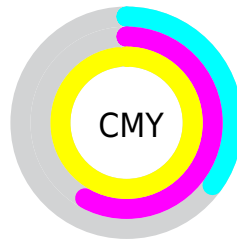


Cyan (0%)

Magenta (35%)

Yellow (97%)

Black (35%)



Cyan (35%)

Magenta (58%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 58.561, 73.853 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, 58.561, 73.853 by changing the saturation by 10% instead.

■ 50, 58.561, 73.853

■ 50, 58.561, 73.853

■ 100, 58.561,
73.853

■ 40, 58.561, 73.853

■ 70, 58.561, 73.853

■ 30, 58.561, 73.853

■ 80, 58.561, 73.853

■ 20, 58.561, 73.853

■ 90, 58.561, 73.853

■ 10, 58.561, 73.853

■ 0, 58.561, 73.853

■ 50, 58.561, 73.853

■ 50, 58.561, 73.853

■ 50, 59.461, 73.255

■ 52, 55.163, 76.139

■ 53, 50.188, 78.031

■ 55, 44.146, 79.668

■ 57, 37.582, 81.169

■ 58, 30.831, 82.596

■ 60, 24.080, 83.974

■ 62, 17.422, 85.313

■ 64, 10.901, 86.609

■ 66, 4.532, 87.843

Harmonies

Complementary

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



50, 58.561, 73.853



30, 64.704, 293.672

Rectangle

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



50, 58.561, 73.853



50, 58.561, 123.853



50, 58.561, 253.853



50, 58.561, 303.853

Sweetspot

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



50, 58.560, 73.856



79, 23.008, 85.014



35, 60.754, 13.083



40, 15.833, 84.474



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



50, 58.560, 73.856



63, 72.347, 72.631



64, 70.062, 110.770



34, 3.507, 87.607



44, 54.267, 73.603



3, 5.124, 83.630

Inverse Universe

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



30, 64.704, 293.672



38, 82.726, 295.314



20, 94.135, 306.632



32, 3.496, 270.022



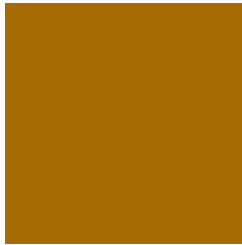
25, 60.192, 294.180



2, 5.612, 271.576

Previews

White Background



This preview shows how the CIELCh color 50, 58.561, 73.853 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, 58.561, 73.853 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, 58.561, 73.853

Background



This preview shows how black text looks on a background with the CIELCh color 50, 58.561, 73.853.



This preview shows how white text looks on a background with the CIELCh color 50, 58.561, 73.853.

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, 58.757, 73.923

Protanopia

50, 53.641, 95.353

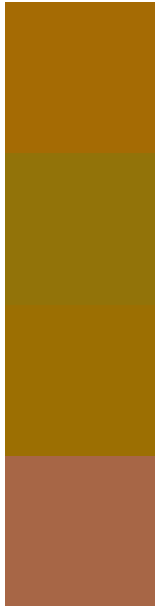
Deuteranopia

50, 56.747, 83.620



Tritanopia
50, 30.242, 14.864

Trichromacy



Original Color
50, 58.757, 73.923

Protanomaly
50, 54.382, 86.873

Deuteranomaly
50, 57.140, 80.103

Tritanomaly
50, 36.916, 51.693

Monochromacy



Original Color
50, 58.757, 73.923

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 23.867, 83.109

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 58.561, 73.853 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(165, 107, 4)` looks like.

```
.text, #text, p{  
    color:rgb(165, 107, 4)  
}
```

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(165, 107, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 107, 4) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 58.561, 73.853 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(165, 107, 4) }
```

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

```
.border{ border-color:rgb(165, 107, 4) }
```

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

Here you see how a box with a 4 pixel rgb(165, 107, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 107, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 107, 4);  
box-shadow:4px 4px 4px 4px rgb(165, 107,  
4) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 58.561, 73.853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 107, 4) }
```

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

```
.background{ background-color: rgb(165,  
107, 4) }
```

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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