

Converting Colors

CIELCh(50, 40.923, 16.367)

Have a look what the booklet for
CIELCh(50, 40.923, 16.367) contains.

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Color

CIELCh(50, 40.730, 16.661)

Conversions

Conversions Part 1

Format	Color
Hex	B85A65
RGB	184, 90, 101
RGB Percent	72%, 35%, 40%
CMY	0.2788, 0.6473, 0.6042
CMYK	0.00, 0.51, 0.45, 0.28
HSL	353°, 40%, 54%
HSV	353°, 51%, 72%
XYZ	25.7432, 18.4187, 14.4925
YIQ	119.3600, 52.4930, 23.3490

Conversions

Conversions Part 2

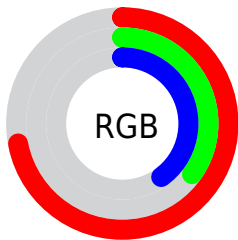
Format	Color
RYB	184, 90, 101
Decimal	12081765
CIELab	50.00, 39.02, 11.68
CIElCh	50, 40.730, 16.661
Yxy	18.4187, 0.4389, 0.3140
Android (android.graphics.Color)	4290271845 (0xFFB85A65)
YUV	119.3600, -9.0515, 56.6893
Hunter-Lab	42.9170, 31.9663, 10.0203

Details

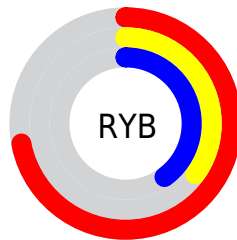
The CIELCh color **50, 40.730, 16.661** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **69, 30.694, 185.529**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 40.919, 16.229**, and **30, 40.748, 17.030** is the 20% darker color. If you saturate the color by 10%, you get **46, 49.244, 19.227**, and if you desaturate by 10%, it is **54, 32.142, 14.644**.

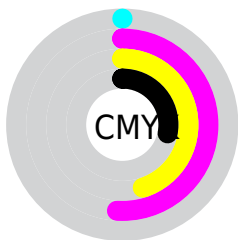
Distribution



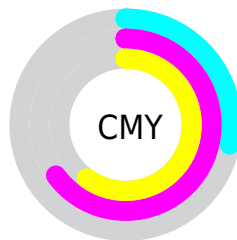
- Red (72%)
- Green (35%)
- Blue (40%)



- Red (72%)
- Yellow (35%)
- Blue (40%)



- Cyan (0%)
- Magenta (51%)
- Yellow (45%)
- Black (28%)
















- Cyan (28%)
- Magenta (65%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 40.730, 16.661 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, 40.730, 16.661 by changing the saturation by 10% instead.

 50, 40.730, 16.661	 50, 40.730, 16.661
 100, 40.730, 16.661	 40, 40.730, 16.661
 70, 40.730, 16.661	 30, 40.730, 16.661
 80, 40.730, 16.661	 20, 40.730, 16.661
 90, 40.730, 16.661	 10, 40.730, 16.661
	 0, 40.730, 16.661

 50, 40.730, 16.661	 50, 40.730, 16.661
 46, 49.244, 19.227	 54, 32.142, 14.644
 43, 57.399, 22.462	 59, 23.726, 13.041
 41, 64.920, 26.433	 64, 15.643, 11.747

39, 71.591, 30.994

69, 7.980, 10.669

38, 76.763, 34.917

74, 0.769, 9.212

79, 5.994, 189.211

85, 12.334,
188.540

90, 18.285,
187.982

95, 23.690,
188.001

Harmonies

Complementary

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



50, 40.730, 16.661



69, 30.694, 185.529

Rectangle

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



50, 40.730, 16.661



50, 40.730, 66.661



50, 40.730, 196.661



50, 40.730, 246.661

Sweetspot

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



50, 40.728, 16.664



85, 13.547, 11.097



51, 59.508, 323.005



44, 9.297, 11.322



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



50, 40.728, 16.664



59, 61.004, 19.495



57, 34.063, 55.624



36, 4.044, 10.491



32, 67.344, 34.270



2, 10.738, 12.324

Inverse Universe

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



50, 40.728, 16.664



59, 61.004, 19.495



59, 25.775, 248.035



36, 4.044, 10.491



32, 67.344, 34.270



2, 10.738, 12.324

Previews

White Background



This preview shows how the CIELCh color 50, 40.730, 16.661 looks on a white background.

Color Contrast Check

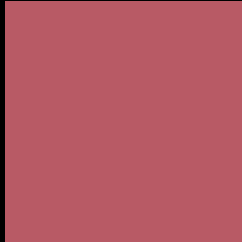
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 50, 40.730, 16.661 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, 40.730, 16.661

Background



This preview shows how black text looks on a background with the CIELCh color 50, 40.730, 16.661.



This preview shows how white text looks on a background with the CIELCh color 50, 40.730, 16.661.

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, 40.730, 16.661

Protanopia

50, 2.120, 74.731

Deuteranopia

50, 14.983, 64.111



Tritanopia
50, 40.663, 20.470

Trichromacy



Original Color
50, 40.730, 16.661

Protanomaly
49, 15.732, 15.019

Deuteranomaly
50, 22.307, 33.789

Tritanomaly
50, 40.563, 19.672

Monochromacy



Original Color
50, 40.730, 16.661

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 14.900, 12.307

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 40.730, 16.661 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(184, 90, 101)` looks like.

```
.text, #text, p{  
    color:rgb(184, 90, 101)  
}
```

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(184, 90, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 90, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 40.730, 16.661 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(184, 90, 101) }
```

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

```
.border{ border-color:rgb(184, 90, 101) }
```

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

Here you see how a box with a 4 pixel rgb(184, 90, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 90, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 90, 101);  
box-shadow:4px 4px 4px 4px rgb(184, 90,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 40.730, 16.661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 90, 101) }
```

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

```
.background{ background-color: rgb(184, 90,  
101) }
```

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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