

Converting Colors

CIELCh(58, 50.010, 323.027)

Have a look what the booklet for
CIELCh(58, 50.010, 323.027)
contains.

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Color

CIELCh(58, 50.242, 322.833)

Conversions

Conversions Part 1

Format	Color
Hex	B772C1
RGB	183, 114, 193
RGB Percent	72%, 45%, 76%
CMY	0.2823, 0.5528, 0.2430
CMYK	0.05, 0.41, 0.00, 0.24
HSL	292°, 39%, 60%
HSV	292°, 41%, 76%
XYZ	35.1820, 25.9610, 53.6218
YIQ	143.6370, 15.7650, 39.1970

Conversions

Conversions Part 2

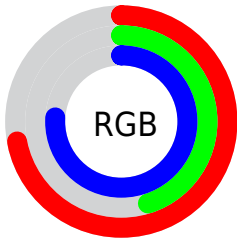
Format	Color
RYB	183, 114, 193
Decimal	12022465
CIELab	58.00, 40.04, -30.35
CIELCh	58, 50.242, 322.833
Yxy	25.9610, 0.3066, 0.2262
Android (android.graphics.Color)	4290212545 (0xFFB772C1)
YUV	143.6370, 24.3360, 34.5214
Hunter-Lab	50.9519, 34.0872, -26.7305

Details

The CIELCh color $58, 50.242, 322.833$ is a light color, and the websafe version is hex `CC66CC`. A complement of this color would be $72, 49.786, 138.422$, and the grayscale version is $60, 0.008, 296.813$.

A 20% lighter version of the original color is $78, 50.544, 322.707$, and $38, 50.368, 322.730$ is the 20% darker color. If you saturate the color by 10%, you get $54, 61.748, 323.213$, and if you desaturate by 10%, it is $63, 38.129, 322.399$.

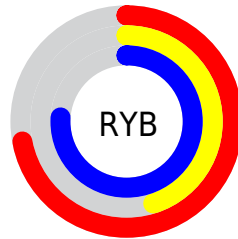
Distribution



Red (72%)

Green (45%)

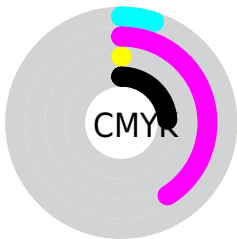
Blue (76%)



Red (72%)

Yellow (45%)

Blue (76%)

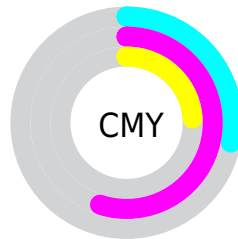


Cyan (5%)

Magenta (41%)

Yellow (0%)

Black (24%)



Cyan (28%)


Magenta (55%)


Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 50.242, 322.833 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 58, 50.242, 322.833 by changing the saturation by 10% instead.


 58, 50.242,
322.833


 58, 50.242,
322.833


 100, 50.242,
322.833


 48, 50.242,
322.833


 78, 50.242,
322.833

 38, 50.242,
322.833

 88, 50.242,
322.833

 28, 50.242,
322.833

 98, 50.242,
322.833

 18, 50.242,
322.833

 8, 50.242, 322.833

 0, 50.242, 322.833

58, 50.242,
322.833

58, 50.242,
322.833

54, 61.748,
323.213

63, 38.129,
322.399

50, 72.210,
323.511

67, 25.759,
321.935

47, 81.107,
323.695

72, 13.373,
321.456

44, 87.938,
323.732

78, 1.131, 320.808

43, 92.365,
323.597


83, 10.864,
140.570

42, 94.618,
323.346

88, 22.556,
140.125

93, 33.916,
139.711

95, 36.972,
138.847

 95, 36.515,
137.748

Harmonies

Complementary

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



58, 50.242, 322.833



72, 49.786, 138.422

Rectangle

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



58, 50.242, 322.833



58, 50.242, 12.833



58, 50.242, 142.833



58, 50.242, 192.833

Sweetspot

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



58, 50.240, 322.833



91, 18.130, 321.517



54, 39.474, 290.134



47, 12.034, 321.580



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



58, 50.240, 322.833



69, 73.416, 323.173



58, 40.375, 340.484



38, 6.953, 321.380



34, 82.570, 323.410



3, 22.706, 320.747

Inverse Universe

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



57, 33.275, 13.911



68, 49.946, 15.680



72, 39.577, 153.383



38, 4.238, 9.742



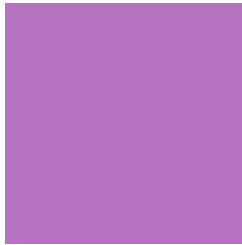
33, 68.641, 33.841



3, 14.124, 12.525

Previews

White Background



This preview shows how the CIELCh color 58, 50.242, 322.833 looks on a white background.

Color Contrast Check

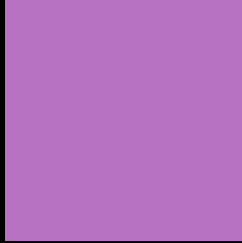
Large Text (above 18pt) WCAG AA ✓ Pass

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 58, 50.242, 322.833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

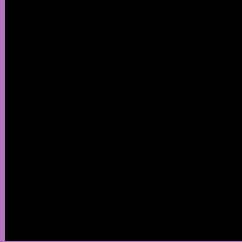
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 58, 50.242, 322.833

Background



This preview shows how black text looks on a background with the CIELCh color 58, 50.242, 322.833.

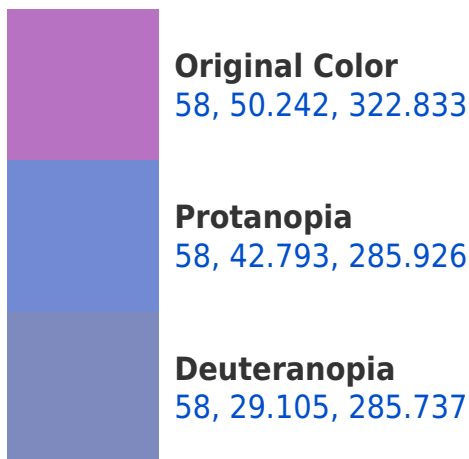


This preview shows how white text looks on a background with the CIELCh color 58, 50.242, 322.833.

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





Tritanopia
58, 20.603, 5.950

Trichromacy



Original Color
58, 50.242, 322.833

Protanomaly
58, 43.492, 299.063

Deuteranomaly
58, 35.425, 303.832

Tritanomaly
58, 29.044, 339.973

Monochromacy



Original Color
58, 50.242, 322.833

Achromatopsia
60, 0.008, 296.813

Achromatomaly
59, 19.016, 321.445

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 50.242, 322.833 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(183, 114, 193)` looks like.

```
.text, #text, p{  
    color:rgb(183, 114, 193)  
}
```

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(183, 114, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 114, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 50.242, 322.833 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(183, 114, 193) }
```

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

```
.border{ border-color:rgb(183, 114, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 114, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 114, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 114, 193);  
box-shadow:4px 4px 4px 4px rgb(183, 114,  
193) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 50.242, 322.833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 114, 193) }
```

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

```
.background{ background-color: rgb(183,  
114, 193) }
```

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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