

Converting Colors

CIELCh(50, 69.310, 328.564)

Have a look what the booklet for
CIELCh(50, 69.310, 328.564)
contains.

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Color

CIELCh(50, 69.310, 328.564)

Conversions

Conversions Part 1

Format	Color
Hex	B948B5
RGB	185, 72, 181
RGB Percent	73%, 28%, 71%
CMY	0.2727, 0.7159, 0.2885
CMYK	0.00, 0.61, 0.02, 0.27
HSL	302°, 45%, 51%
HSV	302°, 61%, 73%
XYZ	30.8505, 18.4187, 45.8812
YIQ	118.2130, 32.3590, 57.8550

Conversions

Conversions Part 2

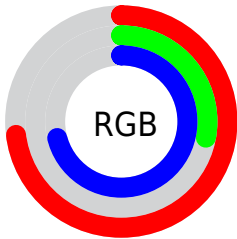
Format	Color
R_{YB}	185, 72, 181
Decimal	12142773
CIE _{Lab}	50.00, 59.14, -36.15
CIE _{LCh}	50, 69.310, 328.564
Yxy	18.4187, 0.3242, 0.1936
Android (android.graphics.Color)	4290332853 (0xFFB948B5)
YUV	118.2130, 30.9540, 58.5722
Hunter-Lab	42.9170, 53.2086, -33.3433

Details

The CIELCh color **50, 69.310, 328.564** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **67, 70.234, 140.032**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 69.401, 328.768**, and **30, 69.307, 328.533** is the 20% darker color. If you saturate the color by 10%, you get **47, 77.276, 328.949**, and if you desaturate by 10%, it is **53, 59.667, 328.120**.

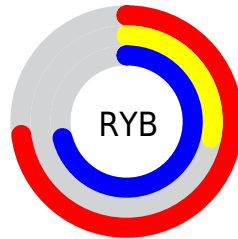
Distribution



Red (73%)

Green (28%)

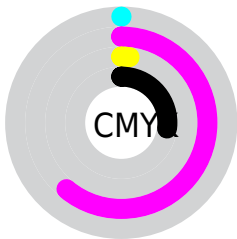
Blue (71%)



Red (73%)

Yellow (28%)

Blue (71%)

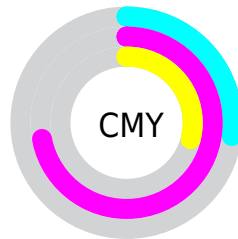


Cyan (0%)

Magenta (61%)

Yellow (2%)

Black (27%)



Cyan (27%)


Magenta (72%)


Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 69.310, 328.564 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, 69.310, 328.564 by changing the saturation by 10% instead.


 50, 69.310,
328.564


 50, 69.310,
328.564


 100, 69.310,
328.564


 40, 69.310,
328.564


 70, 69.310,
328.564

 30, 69.310,
328.564


 80, 69.310,
328.564


 20, 69.310,
328.564

 90, 69.310,
328.564

 10, 69.310,
328.564

 0, 69.310, 328.564

 50, 69.310,
328.564

 50, 69.310,
328.564

47, 77.276,
328.949

53, 59.667,
328.120

45, 83.170,
329.266

57, 48.824,
327.627

44, 86.784,
329.516

61, 37.224,
327.100

44, 88.475,
329.699

65, 25.235,
326.551

70, 13.135,
325.988

75, 1.120, 325.232

80, 10.684,
144.941

85, 22.199,
144.408

90, 33.383,
143.904

Harmonies

Complementary

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



50, 69.310, 328.564



67, 70.234, 140.032

Rectangle

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



50, 69.310, 328.564



50, 69.310, 18.564



50, 69.310, 148.564



50, 69.310, 198.564

Sweetspot

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



50, 69.308, 328.564



85, 26.946, 326.404



37, 68.813, 300.362



44, 18.886, 326.567



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



50, 69.308, 328.564



61, 97.092, 329.061



48, 51.182, 352.978



36, 6.745, 325.896



36, 77.721, 329.679



3, 18.157, 326.105

Inverse Universe

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



50, 69.308, 328.564



61, 97.092, 329.061



68, 47.738, 158.573



36, 6.745, 325.896



36, 77.721, 329.679



3, 18.157, 326.105

Previews

White Background



This preview shows how the CIELCh color 50, 69.310, 328.564 looks on a white background.

Color Contrast Check

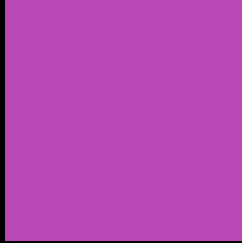
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 50, 69.310, 328.564 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

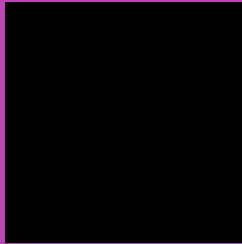
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 69.310, 328.564

Background



This preview shows how black text looks on a background with the CIELCh color 50, 69.310, 328.564.

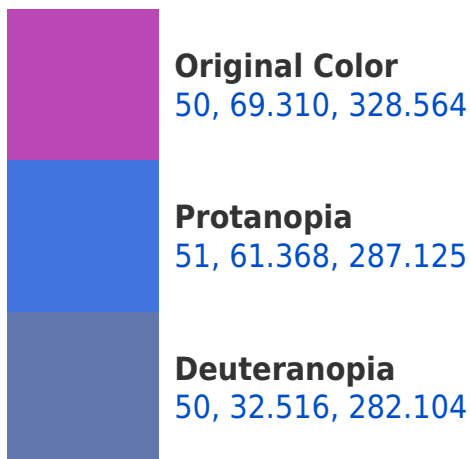


This preview shows how white text looks on a background with the CIELCh color 50, 69.310, 328.564.

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
50, 35.199, 17.862

Trichromacy



Original Color
50, 69.310, 328.564



Protanomaly
48, 62.827, 299.884



Deuteranomaly
49, 45.046, 306.736



Tritanomaly
50, 43.047, 350.510

Monochromacy



Original Color
50, 69.310, 328.564



Achromatopsia
50, 0.007, 296.813



Achromatomaly
49, 28.151, 326.626

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 69.310, 328.564 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(185, 72, 181)` looks like.

```
.text, #text, p{  
    color:rgb(185, 72, 181)  
}
```

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(185, 72, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 72, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 69.310, 328.564 is called "border". The border property can be set on classes, ids or directly on the HTML element.

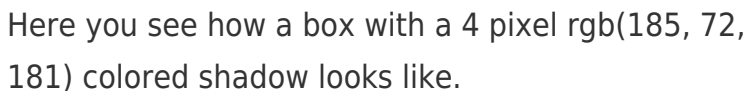
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(185, 72, 181) }
```

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

```
.border{ border-color:rgb(185, 72, 181) }
```

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



Here you see how a box with a 4 pixel `rgb(185, 72, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 72, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 72, 181);  
box-shadow:4px 4px 4px 4px rgb(185, 72,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 69.310, 328.564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 72, 181) }
```

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

```
.background{ background-color: rgb(185, 72,  
181) }
```

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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