

Converting Colors

CIELCh(50, 64.919, 327.942)

Have a look what the booklet for
CIELCh(50, 64.919, 327.942)
contains.

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Color

CIELCh(50, 64.610, 328.186)

Conversions

Conversions Part 1

Format	Color
Hex	B54EB2
RGB	181, 78, 178
RGB Percent	71%, 31%, 70%
CMY	0.2911, 0.6950, 0.3028
CMYK	0.00, 0.57, 0.02, 0.29
HSL	302°, 41%, 51%
HSV	302°, 57%, 71%
XYZ	29.7242, 18.4187, 43.9908
YIQ	120.1970, 29.2880, 52.9360

Conversions

Conversions Part 2

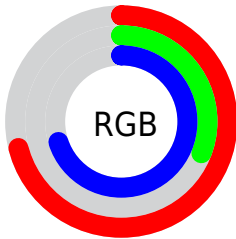
Format	Color
R_{YB}	181, 78, 178
Decimal	11882162
CIE _{Lab}	50.00, 54.90, -34.06
CIE _{LCh}	50, 64.610, 328.186
Yxy	18.4187, 0.3226, 0.1999
Android (android.graphics.Color)	4290072242 (0xFFB54EB2)
YUV	120.1970, 28.4969, 53.3242
Hunter-Lab	42.9170, 48.5241, -30.7316

Details

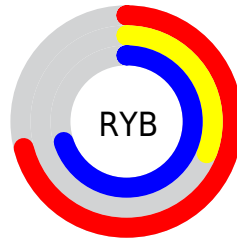
The CIELCh color **50, 64.610, 328.186** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **66, 65.250, 140.351**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 64.685, 328.194**, and **30, 64.785, 328.063** is the 20% darker color. If you saturate the color by 10%, you get **47, 73.173, 328.585**, and if you desaturate by 10%, it is **53, 54.589, 327.729**.

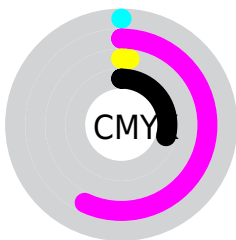
Distribution



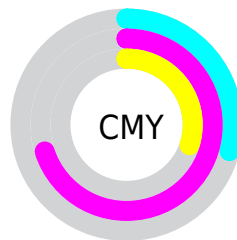
- Red (71%)
- Green (31%)
- Blue (70%)



- Red (71%)
- Yellow (31%)
- Blue (70%)



- Cyan (0%)
- Magenta (57%)
- Yellow (2%)
- Black (29%)




- Cyan (29%)
- Magenta (70%)
- Yellow (30%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 64.610, 328.186 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, 64.610, 328.186 by changing the saturation by 10% instead.


 50, 64.610,
328.186


 50, 64.610,
328.186


 100, 64.610,
328.186


 40, 64.610,
328.186


 70, 64.610,
328.186

 30, 64.610,
328.186


 80, 64.610,
328.186


 20, 64.610,
328.186

 90, 64.610,
328.186

 10, 64.610,
328.186

 0, 64.610, 328.186

 50, 64.610,
328.186

 50, 64.610,
328.186

47, 73.173,
328.585

53, 54.589,
327.729

45, 79.852,
328.915

57, 43.575,
327.227

44, 84.353,
329.173

61, 31.973,
326.695

43, 86.714,
329.366

66, 20.109,
326.144

43, 87.256,
329.419

70, 8.221, 325.577

75, 3.529, 145.132

80, 15.036,
144.548

85, 26.239,
144.029

90, 37.109,
143.538

Harmonies

Complementary

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



50, 64.610, 328.186



66, 65.250, 140.351

Rectangle

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



50, 64.610, 328.186



50, 64.610, 18.186



50, 64.610, 148.186



50, 64.610, 198.186

Sweetspot

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



50, 64.608, 328.186



83, 24.899, 326.162



39, 62.621, 299.183



43, 16.648, 326.271



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



50, 64.608, 328.186



60, 90.919, 328.663



48, 47.706, 351.116



35, 6.619, 325.713



36, 77.177, 329.403



3, 15.777, 325.648

Inverse Universe

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



50, 64.608, 328.186



60, 90.919, 328.663



67, 44.835, 158.312



35, 6.619, 325.713



36, 77.177, 329.403



3, 15.777, 325.648

Previews

White Background



This preview shows how the CIELCh color 50, 64.610, 328.186 looks on a white background.

Color Contrast Check

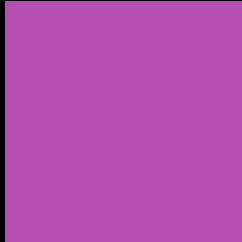
Large Text (above 18pt) WCAG AA ✓ Pass

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, 64.610, 328.186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

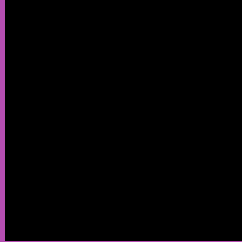
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 64.610, 328.186

Background



This preview shows how black text looks on a background with the CIELCh color 50, 64.610, 328.186.



This preview shows how white text looks on a background with the CIELCh color 50, 64.610, 328.186.

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, 64.610, 328.186

Protanopia

50, 56.188, 286.854

Deuteranopia

50, 31.253, 283.585



Tritanopia
50, 32.517, 16.862

Trichromacy



Original Color
50, 64.610, 328.186



Protanomaly
48, 57.616, 300.171



Deuteranomaly
49, 42.155, 306.951



Tritanomaly
50, 40.178, 349.806

Monochromacy



Original Color
50, 64.610, 328.186



Achromatopsia
50, 0.007, 296.813



Achromatomaly
49, 25.407, 326.560

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 64.610, 328.186 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(181, 78, 178)` looks like.

```
.text, #text, p{  
    color:rgb(181, 78, 178)  
}
```

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(181, 78, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 78, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 64.610, 328.186 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(181, 78, 178) }
```

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

```
.border{ border-color:rgb(181, 78, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 78, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 78, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 78, 178);  
box-shadow:4px 4px 4px 4px rgb(181, 78,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 64.610, 328.186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 78, 178) }
```

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

```
.background{ background-color: rgb(181, 78,  
178) }
```

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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