

Converting Colors

CIELCh(50, 81.646, 328.599)

Have a look what the booklet for
CIELCh(50, 81.646, 328.599)
contains.

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Color

CIELCh(50, 81.858, 328.499)

Conversions

Conversions Part 1

Format	Color
Hex	C438C1
RGB	196, 56, 193
RGB Percent	77%, 22%, 76%
CMY	0.2313, 0.7803, 0.2431
CMYK	0.00, 0.71, 0.02, 0.23
HSL	301°, 56%, 49%
HSV	301°, 71%, 77%
XYZ	33.8111, 18.4187, 52.2341
YIQ	113.4780, 39.4630, 72.2870

Conversions

Conversions Part 2

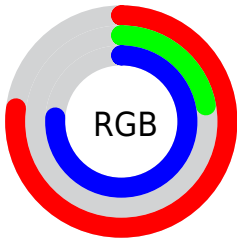
Format	Color
R_{YB}	196, 56, 193
Decimal	12859585
CIE _{Lab}	50.00, 69.79, -42.77
CIE _{LCh}	50, 81.858, 328.499
Yxy	18.4187, 0.3237, 0.1763
Android (android.graphics.Color)	4291049665 (0xFFC438C1)
YUV	113.4780, 39.2043, 72.3718
Hunter-Lab	42.9170, 65.5221, -42.1198

Details

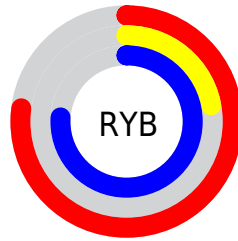
The CIELCh color **50, 81.858, 328.499** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **70, 83.677, 138.435**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 81.686, 328.345**, and **32, 73.609, 327.954** is the 20% darker color. If you saturate the color by 10%, you get **48, 87.926, 328.777**, and if you desaturate by 10%, it is **53, 73.578, 328.144**.

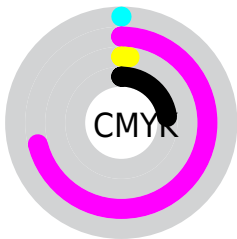
Distribution



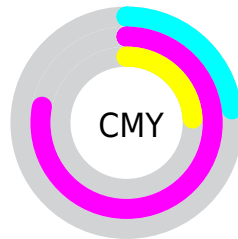
- Red (77%)
- Green (22%)
- Blue (76%)



- Red (77%)
- Yellow (22%)
- Blue (76%)



- Cyan (0%)
- Magenta (71%)
- Yellow (2%)
- Black (23%)




- Cyan (23%)
- Magenta (78%)
- Yellow (24%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 81.858, 328.499 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, 81.858, 328.499 by changing the saturation by 10% instead.

 50, 81.858,
328.499


 50, 81.858,
328.499

 100, 81.858,
328.499


 40, 81.858,
328.499

 70, 81.858,
328.499

 30, 81.858,
328.499

 80, 81.858,
328.499

 20, 81.858,
328.499

 90, 81.858,
328.499

 10, 81.858,
328.499

 0, 81.858, 328.499

 50, 81.858,
328.499

 50, 81.858,
328.499

48, 87.926,
328.777

53, 73.578,
328.144

47, 91.600,
328.979

56, 63.504,
327.722

46, 93.224,
329.105

60, 52.125,
327.244

64, 39.916,
326.727

69, 27.272,
326.184

73, 14.494,
325.626

78, 1.795, 324.950

84, 10.686,
144.580

89, 22.863,
144.045

Harmonies

Complementary

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



50, 81.858, 328.499



70, 83.677, 138.435

Rectangle

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



50, 81.858, 328.499



50, 81.858, 18.499



50, 81.858, 148.499



50, 81.858, 198.499

Sweetspot

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



50, 81.856, 328.499



87, 33.104, 326.179



33, 85.379, 302.294



45, 22.406, 326.333



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



50, 81.856, 328.499



61, 110.186, 328.906



47, 60.694, 354.150



38, 7.122, 325.508



38, 80.460, 329.092



4, 23.743, 327.060

Inverse Universe

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



50, 81.856, 328.499



61, 110.186, 328.906



71, 57.555, 155.854



38, 7.122, 325.508



38, 80.460, 329.092



4, 23.743, 327.060

Previews

White Background



This preview shows how the CIELCh color 50, 81.858, 328.499 looks on a white background.

Color Contrast Check

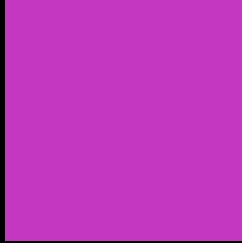
Large Text (above 18pt) WCAG AA ✓ Pass

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, 81.858, 328.499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

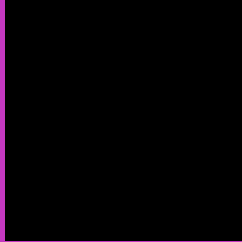
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 81.858, 328.499

Background



This preview shows how black text looks on a background with the CIELCh color 50, 81.858, 328.499.

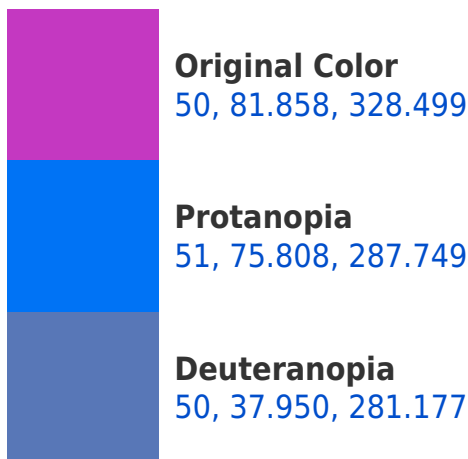


This preview shows how white text looks on a background with the CIELCh color 50, 81.858, 328.499.

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, 41.965, 20.153

Trichromacy



Original Color
50, 81.858, 328.499



Protanomaly
45, 77.747, 296.197



Deuteranomaly
48, 54.449, 306.651



Tritanomaly
49, 51.113, 351.637

Monochromacy



Original Color
50, 81.858, 328.499



Achromatopsia
48, 0.006, 296.813



Achromatomaly
46, 34.998, 326.854

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 81.858, 328.499 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(196, 56, 193)` looks like.

```
.text, #text, p{  
    color:rgb(196, 56, 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(196, 56, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 56, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 81.858, 328.499 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(196, 56, 193) }
```

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

```
.border{ border-color:rgb(196, 56, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 56, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 56, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 56, 193);  
box-shadow:4px 4px 4px 4px rgb(196, 56,  
193) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 81.858, 328.499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 56, 193) }
```

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

```
.background{ background-color: rgb(196, 56,  
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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