

Converting Colors

CIELCh(50, 91.629, 328.011)

Have a look what the booklet for
CIELCh(50, 91.629, 328.011)
contains.

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Color

CIELCh(50, 91.642, 328.032)

Conversions

Conversions Part 1

Format	Color
Hex	CB26CB
RGB	203, 38, 203
RGB Percent	80%, 15%, 80%
CMY	0.2036, 0.8504, 0.2036
CMYK	0.00, 0.81, 0.00, 0.20
HSL	300°, 68%, 47%
HSV	300°, 81%, 80%
XYZ	36.1385, 18.4187, 58.2005
YIQ	106.1450, 45.3750, 86.2950

Conversions

Conversions Part 2

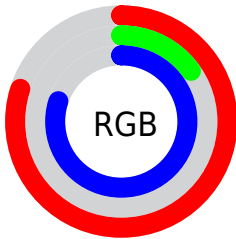
Format	Color
R_{YB}	203, 38, 203
Decimal	13313739
CIE _{Lab}	50.00, 77.74, -48.52
CIE _{LCh}	50, 91.642, 328.032
Yxy	18.4187, 0.3205, 0.1633
Android (android.graphics.Color)	4291503819 (0xFFCB26CB)
YUV	106.1450, 47.7495, 84.9418
Hunter-Lab	42.9170, 75.2023, -50.3624

Details

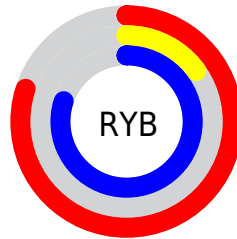
The CIELCh color **50, 91.642, 328.032** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle muted magenta. A complement of this color would be **72, 94.088, 137.024**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 88.557, 327.408**, and **34, 77.124, 327.186** is the 20% darker color. If you saturate the color by 10%, you get **49, 95.560, 328.171**, and if you desaturate by 10%, it is **52, 85.251, 327.802**.

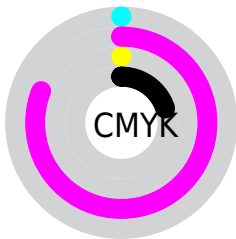
Distribution



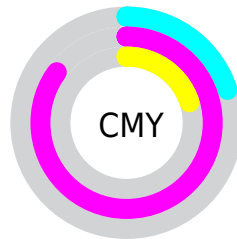
- Red (80%)
- Green (15%)
- Blue (80%)



- Red (80%)
- Yellow (15%)
- Blue (80%)



- Cyan (0%)
- Magenta (81%)
- Yellow (0%)
- Black (20%)





- Cyan (20%)
- Magenta (85%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 91.642, 328.032 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, 91.642, 328.032 by changing the saturation by 10% instead.


 50, 91.642,
328.032


 50, 91.642,
328.032


 100, 91.642,
328.032


 40, 91.642,
328.032


 70, 91.642,
328.032

 30, 91.642,
328.032


 80, 91.642,
328.032


 20, 91.642,
328.032

 90, 91.642,
328.032

 10, 91.642,
328.032

 0, 91.642, 328.032

 50, 91.642,
328.032

 50, 91.642,
328.032

49, 95.560,
328.171

52, 85.251,
327.802

48, 97.349,
328.234

55, 76.582,
327.484

58, 66.051,
327.087

62, 54.166,
326.629

66, 41.416,
326.125

71, 28.214,
325.591

76, 14.873,
325.038

81, 1.615, 324.349

86, 11.413,
143.997

Harmonies

Complementary

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



50, 91.642, 328.032



72, 94.088, 137.024

Rectangle

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



50, 91.642, 328.032



50, 91.642, 18.032



50, 91.642, 148.032



50, 91.642, 198.032

Sweetspot

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



50, 91.640, 328.032



85, 38.381, 325.758



30, 99.515, 304.071



44, 26.347, 325.951



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, 91.640, 328.032



60, 115.065, 328.220



46, 67.508, 355.554



40, 7.538, 324.935



39, 83.708, 328.234



5, 29.041, 327.498

Inverse Universe

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



50, 91.640, 328.032



60, 115.065, 328.220



73, 66.069, 153.069



40, 7.538, 324.935



39, 83.708, 328.234



5, 29.041, 327.498

Previews

White Background



This preview shows how the CIELCh color 50, 91.642, 328.032 looks on a white background.

Color Contrast Check

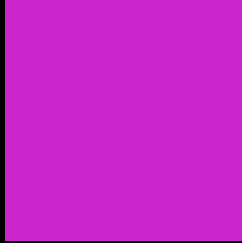
Large Text (above 18pt) WCAG AA ✓ Pass

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, 91.642, 328.032 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

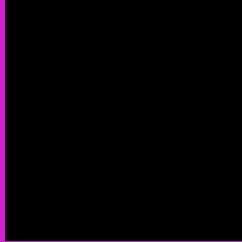
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 91.642, 328.032

Background



This preview shows how black text looks on a background with the CIELCh color 50, 91.642, 328.032.

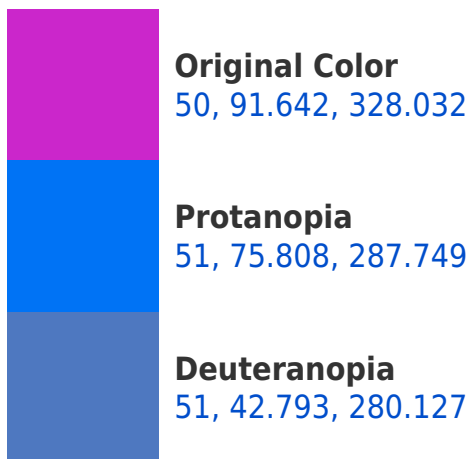


This preview shows how white text looks on a background with the CIELCh color 50, 91.642, 328.032.

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, 46.235, 22.763

Trichromacy



Original Color
50, 91.642, 328.032



Protanomaly
44, 84.281, 298.637



Deuteranomaly
46, 63.166, 306.274



Tritanomaly
49, 56.648, 351.495

Monochromacy



Original Color
50, 91.642, 328.032



Achromatopsia
45, 0.006, 296.813



Achromatomaly
43, 41.519, 326.635

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 91.642, 328.032 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(203, 38, 203)` looks like.

```
.text, #text, p{  
    color:rgb(203, 38, 203)  
}
```

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(203, 38, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 38, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 91.642, 328.032 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(203, 38, 203) }
```

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

```
.border{ border-color:rgb(203, 38, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 38, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 38, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 38, 203);  
box-shadow:4px 4px 4px 4px rgb(203, 38,  
203) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 91.642, 328.032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 38, 203) }
```

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

```
.background{ background-color: rgb(203, 38,  
203) }
```

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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