

Converting Colors

CIELCh(50, 90.728, 327.260)

Have a look what the booklet for
CIELCh(50, 90.728, 327.260)
contains.

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Color

CIELCh(50, 90.658, 327.353)

Conversions

Conversions Part 1

Format	Color
Hex	C92BCC
RGB	201, 43, 204
RGB Percent	79%, 17%, 80%
CMY	0.2130, 0.8330, 0.2011
CMYK	0.01, 0.79, 0.00, 0.20
HSL	299°, 65%, 48%
HSV	299°, 79%, 80%
XYZ	35.7184, 18.4187, 58.6178
YIQ	108.5960, 42.4870, 83.5670

Conversions

Conversions Part 2

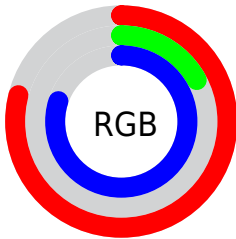
Format	Color
R _{YB}	201, 43, 204
Decimal	13183948
CIE Lab	50.00, 76.33, -48.91
CIE LCh	50, 90.658, 327.353
Yxy	18.4187, 0.3168, 0.1634
Android (android.graphics.Color)	4291374028 (0xFFC92BCC)
YUV	108.5960, 47.0342, 81.0383
Hunter-Lab	42.9170, 73.4551, -50.9390

Details

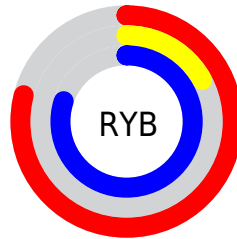
The CIELCh color **50, 90.658, 327.353** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle muted magenta. A complement of this color would be **72, 92.730, 137.016**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 87.603, 327.378**, and **34, 77.563, 326.676** is the 20% darker color. If you saturate the color by 10%, you get **49, 95.181, 327.466**, and if you desaturate by 10%, it is **52, 83.663, 327.137**.

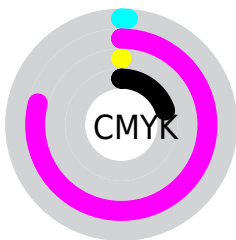
Distribution



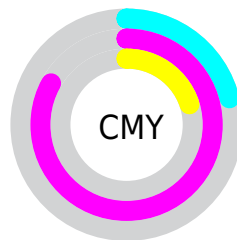
- Red (79%)
- Green (17%)
- Blue (80%)



- Red (79%)
- Yellow (17%)
- Blue (80%)



- Cyan (1%)
- Magenta (79%)
- Yellow (0%)
- Black (20%)





- Cyan (21%)
- Magenta (83%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 90.658, 327.353 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, 90.658, 327.353 by changing the saturation by 10% instead.


 50, 90.658,
327.353


 50, 90.658,
327.353


 100, 90.658,
327.353


 40, 90.658,
327.353


 70, 90.658,
327.353

 30, 90.658,
327.353


 80, 90.658,
327.353


 20, 90.658,
327.353

 90, 90.658,
327.353

 10, 90.658,
327.353

 0, 90.658, 327.353

 50, 90.658,
327.353

 50, 90.658,
327.353

49, 95.181,
327.466

52, 83.663,
327.137

48, 97.482,
327.488

55, 74.473,
326.825

48, 97.656,
327.489

59, 63.550,
326.432

63, 51.411,
325.977

67, 38.532,
325.478

72, 25.298,
324.952

77, 11.994,
324.407

82, 1.180, 144.115

88, 14.099,
143.395

Harmonies

Complementary

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



50, 90.658, 327.353



72, 92.730, 137.016

Rectangle

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



50, 90.658, 327.353



50, 90.658, 17.353



50, 90.658, 147.353



50, 90.658, 197.353

Sweetspot

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



50, 90.656, 327.353



85, 38.180, 325.229



32, 94.581, 302.818



43, 26.214, 325.418



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, 90.656, 327.353



60, 114.798, 327.486



47, 67.687, 352.456



40, 7.494, 324.424



39, 83.778, 327.499



5, 28.859, 326.790

Inverse Universe

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



45, 72.767, 32.440



54, 101.295, 38.430



73, 67.110, 151.847



40, 4.368, 18.409



34, 74.785, 39.065



4, 17.917, 18.481

Previews

White Background



This preview shows how the CIELCh color 50, 90.658, 327.353 looks on a white background.

Color Contrast Check

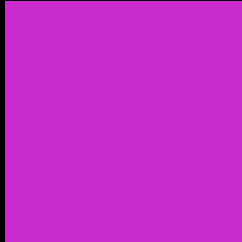
Large Text (above 18pt) WCAG AA ✓ Pass

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, 90.658, 327.353 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

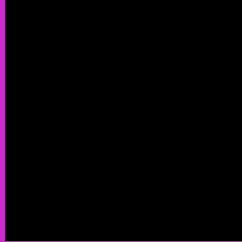
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 90.658, 327.353

Background



This preview shows how black text looks on a background with the CIELCh color 50, 90.658, 327.353.

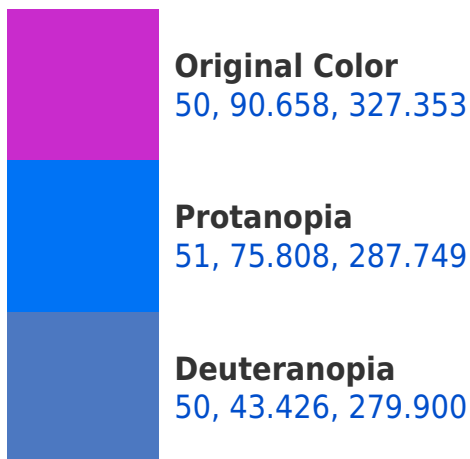


This preview shows how white text looks on a background with the CIELCh color 50, 90.658, 327.353.

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, 44.336, 21.588

Trichromacy



Original Color
50, 90.658, 327.353



Protanomaly
45, 83.051, 298.042



Deuteranomaly
47, 62.419, 305.215



Tritanomaly
49, 55.442, 350.669

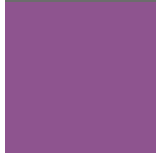
Monochromacy



Original Color
50, 90.658, 327.353



Achromatopsia
46, 0.006, 296.813



Achromatomaly
44, 40.630, 326.080

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 90.658, 327.353 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(201, 43, 204)` looks like.

```
.text, #text, p{  
    color:rgb(201, 43, 204)  
}
```

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(201, 43, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 43, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 90.658, 327.353 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(201, 43, 204) }
```

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

```
.border{ border-color:rgb(201, 43, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 43, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 43, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 43, 204);  
box-shadow:4px 4px 4px 4px rgb(201, 43,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 90.658, 327.353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 43, 204) }
```

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

```
.background{ background-color: rgb(201, 43,  
204) }
```

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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