

Converting Colors

CIELCh(50, 106.696, 323.270)

Have a look what the booklet for
CIELCh(50, 106.696, 323.270)
contains.

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Color

CIELCh(50, 106.764, 323.223)

Conversions

Conversions Part 1

Format	Color
Hex	C90DE6
RGB	201, 13, 230
RGB Percent	79%, 5%, 90%
CMY	0.2118, 0.9490, 0.0980
CMYK	0.13, 0.94, 0.00, 0.10
HSL	292°, 89%, 48%
HSV	292°, 94%, 90%
XYZ	38.5146, 18.4187, 76.3884
YIQ	93.9500, 42.3910, 107.3430

Conversions

Conversions Part 2

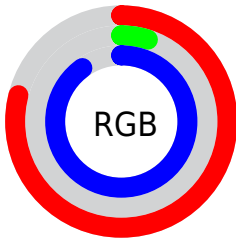
Format	Color
RYB	201, 13, 230
Decimal	13176294
CIELab	50.00, 85.51, -63.92
CIELCh	50, 106.764, 323.223
Yxy	18.4187, 0.2889, 0.1382
Android (android.graphics.Color)	4291366374 (0xFFC90DE6)
YUV	93.9500, 67.0727, 93.8829
Hunter-Lab	42.9170, 85.0851, -75.4891

Details

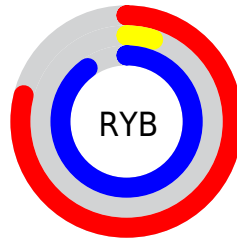
The CIELCh color **50, 106.764, 323.223** is a dark color, and the websafe version is hex **CC33FF**. The color can be described as middle washed magenta. A complement of this color would be **80, 108.269, 135.322**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 92.684, 327.538**, and **35, 87.848, 321.267** is the 20% darker color. If you saturate the color by 10%, you get **49, 108.015, 323.029**, and if you desaturate by 10%, it is **52, 102.868, 323.455**.

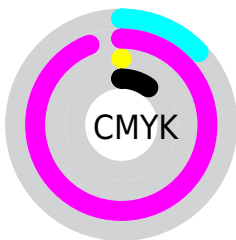
Distribution



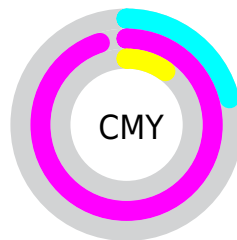
- Red (79%)
- Green (5%)
- Blue (90%)



- Red (79%)
- Yellow (5%)
- Blue (90%)



- Cyan (13%)
- Magenta (94%)
- Yellow (0%)
- Black (10%)





- Cyan (21%)
- Magenta (95%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 106.764, 323.223 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, 106.764, 323.223 by changing the saturation by 10% instead.


 50, 106.764,
323.223


 50, 106.764,
323.223


 100, 106.764,
323.223


 40, 106.764,
323.223


 70, 106.764,
323.223


 30, 106.764,
323.223


 80, 106.764,
323.223

 20, 106.764,
323.223

 90, 106.764,
323.223

 10, 106.764,
323.223

 0, 106.764,
323.223

 50, 106.764,

 50, 106.764,

323.223

323.223

■ 49, 108.015,
323.029

■ 52, 102.868,
323.455

■ 54, 96.110,
323.501

■ 58, 86.744,
323.380

■ 62, 75.316,
323.126

■ 66, 62.446,
322.773

■ 72, 48.700,
322.355

■ 77, 34.525,
321.898

■ 83, 20.247,
321.421

Harmonies

Complementary

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



50, 106.764, 323.223



80, 108.269, 135.322

Rectangle

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



50, 106.764, 323.223



50, 106.764, 13.223



50, 106.764, 143.223



50, 106.764, 193.223

Sweetspot

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



50, 106.762, 323.223



82, 43.207, 322.076



33, 109.612, 303.030



41, 29.820, 322.273



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, 106.762, 323.223



55, 116.791, 323.000



51, 82.525, 347.732



45, 7.976, 321.183



38, 89.334, 323.110



7, 37.217, 323.801

Inverse Universe

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



49, 86.904, 32.090



53, 98.171, 34.964



80, 92.045, 143.619



45, 4.882, 9.204



37, 74.194, 33.838



6, 26.754, 16.207

Previews

White Background



This preview shows how the CIELCh color 50, 106.764, 323.223 looks on a white background.

Color Contrast Check

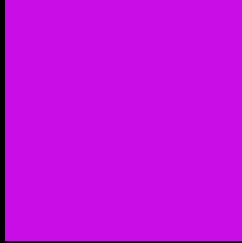
Large Text (above 18pt) WCAG AA ✓ Pass

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, 106.764, 323.223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

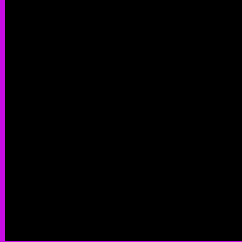
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 106.764, 323.223

Background



This preview shows how black text looks on a background with the CIELCh color 50, 106.764, 323.223.



This preview shows how white text looks on a background with the CIELCh color 50, 106.764,

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, 106.764, 323.223

Protanopia

51, 74.664, 287.206

Deuteranopia

51, 56.292, 277.740



Tritanopia
50, 40.663, 20.470

Trichromacy



Original Color
50, 106.764, 323.223



Protanomaly
43, 94.026, 300.712



Deuteranomaly
43, 82.420, 299.795



Tritanomaly
48, 61.422, 342.826

Monochromacy



Original Color
50, 106.764, 323.223



Achromatopsia
40, 0.006, 296.813



Achromatomaly
39, 51.547, 323.241

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 106.764, 323.223 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, 13, 230)` looks like.

```
.text, #text, p{  
    color:rgb(201, 13, 230)  
}
```

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, 13, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 13, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 106.764, 323.223 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, 13, 230) }
```

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

```
.border{ border-color:rgb(201, 13, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 13, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 13, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 13, 230);  
box-shadow:4px 4px 4px 4px rgb(201, 13,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 106.764, 323.223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 13, 230) }
```

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

```
.background{ background-color: rgb(201, 13,  
230) }
```

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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