

Converting Colors

CIELCh(50, 96.720, 330.228)

Have a look what the booklet for
CIELCh(50, 96.720, 330.228)
contains.

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Color

CIELCh(50, 96.592, 330.216)

Conversions

Conversions Part 1

Format	Color
Hex	D404CA
RGB	212, 4, 202
RGB Percent	83%, 2%, 79%
CMY	0.1673, 0.9831, 0.2066
CMYK	0.00, 0.98, 0.05, 0.17
HSL	303°, 96%, 42%
HSV	303°, 98%, 83%
XYZ	37.9916, 18.4187, 57.6224
YIQ	88.7640, 60.4100, 105.6740

Conversions

Conversions Part 2

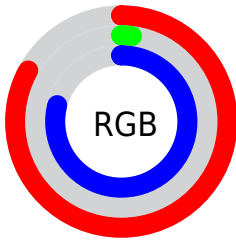
Format	Color
R_{YB}	212, 4, 202
Decimal	13894858
CIE _{Lab}	50.00, 83.83, -47.98
CIE _{LCh}	50, 96.592, 330.216
Yxy	18.4187, 0.3332, 0.1615
Android (android.graphics.Color)	4292084938 (0xFFD404CA)
YUV	88.7640, 55.8253, 108.0780
Hunter-Lab	42.9170, 82.9099, -49.5638

Details

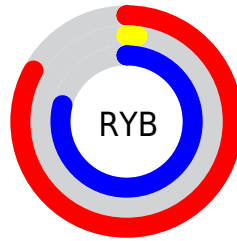
The CIELCh color **50, 96.592, 330.216** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **74, 103.021, 136.421**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **67, 93.562, 327.565**, and **36, 76.580, 329.562** is the 20% darker color. If you saturate the color by 10%, you get **50, 96.891, 330.265**, and if you desaturate by 10%, it is **51, 94.493, 329.961**.

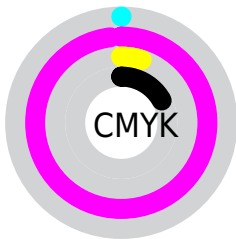
Distribution



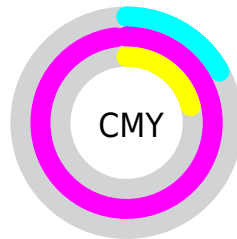
- Red (83%)
- Green (2%)
- Blue (79%)



- Red (83%)
- Yellow (2%)
- Blue (79%)



- Cyan (0%)
- Magenta (98%)
- Yellow (5%)
- Black (17%)





- Cyan (17%)
- Magenta (98%)
- Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 96.592, 330.216 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, 96.592, 330.216 by changing the saturation by 10% instead.


 50, 96.592,
330.216


 50, 96.592,
330.216


 100, 96.592,
330.216


 40, 96.592,
330.216


 70, 96.592,
330.216

 30, 96.592,
330.216


 80, 96.592,
330.216


 20, 96.592,
330.216

 90, 96.592,
330.216

 10, 96.592,
330.216

 0, 96.592, 330.216

 50, 96.592,
330.216

 50, 96.592,
330.216

■ 50, 96.891,
330.265

■ 51, 94.493,
329.961

■ 52, 89.972,
329.655

■ 55, 82.908,
329.290

■ 58, 73.605,
328.864

■ 62, 62.552,
328.385

■ 66, 50.287,
327.866

■ 70, 37.294,
327.318

■ 75, 23.962,
326.754

■ 81, 10.578,

Harmonies

Complementary

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



50, 96.592, 330.216



74, 103.021, 136.421

Rectangle

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



50, 96.592, 330.216



50, 96.592, 20.216



50, 96.592, 150.216



50, 96.592, 200.216

Sweetspot

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



50, 96.589, 330.216



83, 44.842, 327.392



27, 115.434, 306.216



42, 30.696, 327.630



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, 96.589, 330.216



60, 111.199, 330.288



46, 73.226, 4.782



42, 7.594, 326.262



40, 82.450, 330.234



6, 31.821, 329.658

Inverse Universe

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



50, 96.589, 330.216



60, 111.199, 330.288



75, 74.339, 151.097



42, 7.594, 326.262



40, 82.450, 330.234



6, 31.821, 329.658

Previews

White Background



This preview shows how the CIELCh color 50, 96.592, 330.216 looks on a white background.

Color Contrast Check

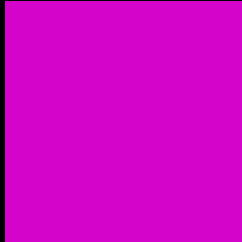
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 50, 96.592, 330.216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

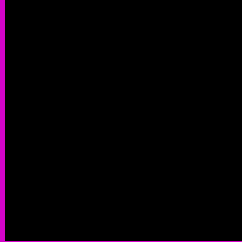
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 96.592, 330.216

Background



This preview shows how black text looks on a background with the CIELCh color 50, 96.592, 330.216.



This preview shows how white text looks on a background with the CIELCh color 50, 96.592, 330.216.

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, 96.505, 330.214

Protanopia

51, 75.737, 287.570

Deuteranopia

51, 41.522, 280.663



Tritanopia
50, 52.987, 24.537

Trichromacy



Original Color
50, 96.505, 330.214



Protanomaly
42, 91.556, 301.533



Deuteranomaly
44, 69.594, 310.320



Tritanomaly
48, 64.740, 353.746

Monochromacy



Original Color
50, 96.505, 330.214



Achromatopsia
38, 0.005, 296.813



Achromatomaly
37, 49.825, 328.856

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 96.592, 330.216 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(212, 4, 202)` looks like.

```
.text, #text, p{  
    color:rgb(212, 4, 202)  
}
```

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(212, 4, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 4, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 96.592, 330.216 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(212, 4, 202) }
```

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

```
.border{ border-color:rgb(212, 4, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 4, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 4, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 4, 202);  
box-shadow:4px 4px 4px 4px rgb(212, 4,  
202) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 96.592, 330.216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 4, 202) }
```

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

```
.background{ background-color: rgb(212, 4,  
202) }
```

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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