

Converting Colors

CIELCh(51, 99.802, 329.486)

Have a look what the booklet for
CIELCh(51, 99.802, 329.486)
contains.

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Color

CIELCh(51, 99.742, 329.379)

Conversions

Conversions Part 1

Format	Color
Hex	D800D2
RGB	216, 0, 210
RGB Percent	85%, 0%, 82%
CMY	0.1527, 0.9990, 0.1763
CMYK	0.00, 1.00, 0.03, 0.15
HSL	302°, 100%, 42%
HSV	302°, 100%, 85%
XYZ	39.9783, 19.2686, 62.6203
YIQ	88.5240, 61.3260, 111.1020

Conversions

Conversions Part 2

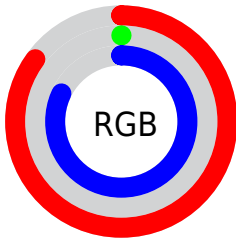
Format	Color
R_{YB}	216, 0, 210
Decimal	14155986
CIE _{Lab}	51.00, 85.83, -50.80
CIE _{LCh}	51, 99.742, 329.379
Yxy	19.2686, 0.3280, 0.1581
Android (android.graphics.Color)	4292346066 (0xFFD800D2)
YUV	88.5240, 59.8877, 111.7965
Hunter-Lab	43.8960, 85.7508, -53.8535

Details

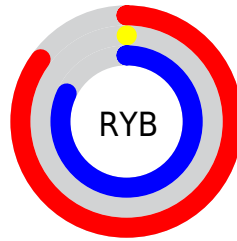
The CIELCh color **51, 99.742, 329.379** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **76, 105.192, 136.206**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **67, 93.125, 327.551**, and **37, 79.664, 328.485** is the 20% darker color. If you saturate the color by 10%, you get **51, 99.759, 329.381**, and if you desaturate by 10%, it is **52, 97.794, 329.209**.

Distribution



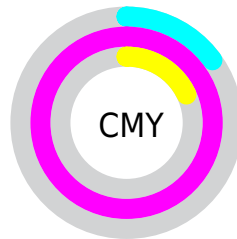
- Red (85%)
- Green (0%)
- Blue (82%)



- Red (85%)
- Yellow (0%)
- Blue (82%)



- Cyan (0%)
- Magenta (100%)
- Yellow (3%)
- Black (15%)





- Cyan (15%)
- Magenta (100%)
- Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 99.742, 329.379 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 51, 99.742, 329.379 by changing the saturation by 10% instead.


 51, 99.742,
329.379


 51, 99.742,
329.379


 100, 99.742,
329.379


 41, 99.742,
329.379


 71, 99.742,
329.379

 31, 99.742,
329.379

 81, 99.742,
329.379

 21, 99.742,
329.379

 91, 99.742,
329.379

 11, 99.742,
329.379

 1, 99.742, 329.379

 0, 99.742, 329.379

■ 51, 99.742,
329.379

■ 51, 99.742,
329.379

■ 51, 99.759,
329.381

■ 52, 97.794,
329.209

■ 53, 93.599,
328.979

■ 55, 86.800,
328.676

■ 58, 77.640,
328.299

■ 62, 66.587,
327.858

■ 66, 54.183,
327.365

■ 71, 40.939,
326.836

■ 76, 27.275,

326.284

■ 81, 13.505,
325.718

Harmonies

Complementary

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



51, 99.742, 329.379



76, 105.192, 136.206

Rectangle

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



51, 99.742, 329.379



51, 99.742, 19.379



51, 99.742, 149.379



51, 99.742, 199.379

Sweetspot

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



51, 99.739, 329.379



82, 47.008, 326.858



27, 117.947, 306.319



41, 31.984, 327.086



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



51, 99.739, 329.379



60, 113.027, 329.392



46, 74.564, 4.053



42, 7.701, 325.691



40, 83.771, 329.362



6, 32.296, 328.957

Inverse Universe

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



51, 99.739, 329.379



60, 113.027, 329.392



76, 77.576, 149.764



42, 7.701, 325.691



40, 83.771, 329.362



6, 32.296, 328.957

Previews

White Background



This preview shows how the CIELCh color 51, 99.742, 329.379 looks on a white background.

Color Contrast Check

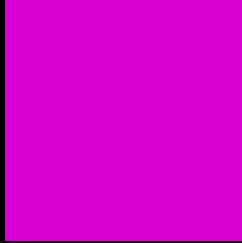
Large Text (above 18pt) WCAG AA ✓ Pass

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 51, 99.742, 329.379 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

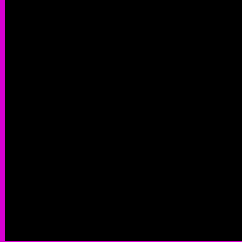
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 99.742, 329.379

Background



This preview shows how black text looks on a background with the CIELCh color 51, 99.742, 329.379.

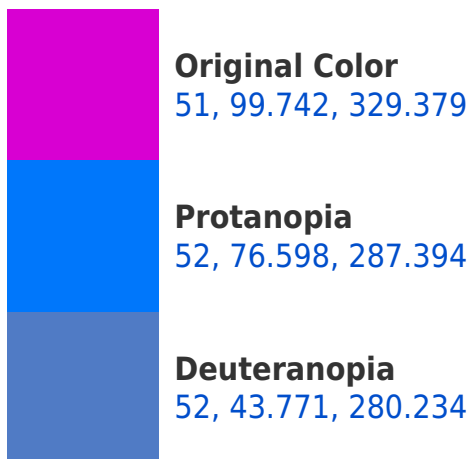


This preview shows how white text looks on a background with the CIELCh color 51, 99.742, 329.379.

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
51, 52.768, 24.311

Trichromacy



Original Color
51, 99.742, 329.379



Protanomaly
43, 94.064, 301.731



Deuteranomaly
45, 73.805, 309.622



Tritanomaly
49, 65.994, 353.068

Monochromacy



Original Color
51, 99.742, 329.379



Achromatopsia
38, 0.005, 296.813



Achromatomaly
37, 51.831, 328.056

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 99.742, 329.379 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(216, 0, 210)` looks like.

```
.text, #text, p{  
    color:rgb(216, 0, 210)  
}
```

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(216, 0, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 0, 210) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 99.742, 329.379 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(216, 0, 210) }
```

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

```
.border{ border-color:rgb(216, 0, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 0, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 0, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 0, 210);  
box-shadow:4px 4px 4px 4px rgb(216, 0,  
210) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 99.742, 329.379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 0, 210) }
```

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

```
.background{ background-color: rgb(216, 0,  
210) }
```

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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