

Converting Colors

CIELCh(50, 99.797, 328.240)

Have a look what the booklet for
CIELCh(50, 99.797, 328.240)
contains.

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Color

CIELCh(50, 99.737, 328.230)

Conversions

Conversions Part 1

Format	Color
Hex	D202D2
RGB	210, 2, 210
RGB Percent	82%, 1%, 82%
CMY	0.1759, 0.9937, 0.1759
CMYK	0.00, 0.99, 0.00, 0.18
HSL	300°, 98%, 42%
HSV	300°, 99%, 82%
XYZ	38.2897, 18.4187, 62.6025
YIQ	87.9040, 57.2000, 108.7840

Conversions

Conversions Part 2

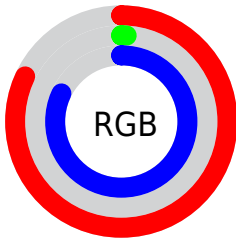
Format	Color
R_{YB}	210, 2, 210
Decimal	13763282
CIE _{Lab}	50.00, 84.79, -52.51
CIE _{LCh}	50, 99.737, 328.230
Yxy	18.4187, 0.3209, 0.1544
Android (android.graphics.Color)	4291953362 (0xFFD202D2)
YUV	87.9040, 60.1933, 107.0782
Hunter-Lab	42.9170, 84.1496, -56.4438

Details

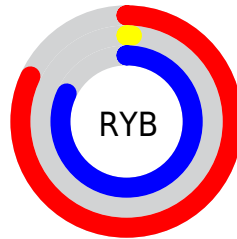
The CIELCh color **50, 99.737, 328.230** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **74, 103.346, 136.042**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **67, 93.562, 327.565**, and **36, 79.802, 326.980** is the 20% darker color. If you saturate the color by 10%, you get **50, 99.875, 328.235**, and if you desaturate by 10%, it is **51, 97.502, 328.153**.

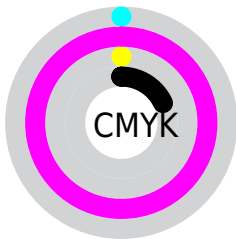
Distribution



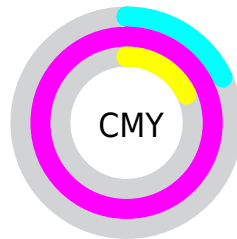
- Red (82%)
- Green (1%)
- Blue (82%)



- Red (82%)
- Yellow (1%)
- Blue (82%)



- Cyan (0%)
- Magenta (99%)
- Yellow (0%)
- Black (18%)





- Cyan (18%)
- Magenta (99%)
- Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 99.737, 328.230 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, 99.737, 328.230 by changing the saturation by 10% instead.


 50, 99.737,
328.230


 50, 99.737,
328.230


 100, 99.737,
328.230


 40, 99.737,
328.230


 70, 99.737,
328.230

 30, 99.737,
328.230


 80, 99.737,
328.230


 20, 99.737,
328.230

 90, 99.737,
328.230

 10, 99.737,
328.230

 0, 99.737, 328.230

 50, 99.737,
328.230

 50, 99.737,
328.230

50, 99.875,
328.235

51, 97.502,
328.153

52, 93.014,
327.998

54, 85.994,
327.750

57, 76.691,
327.416

61, 65.562,
327.006

65, 53.137,
326.536

69, 39.910,
326.024

74, 26.286,
325.485

79, 12.570,

Harmonies

Complementary

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



50, 99.737, 328.230



74, 103.346, 136.042

Rectangle

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



50, 99.737, 328.230



50, 99.737, 18.230



50, 99.737, 148.230



50, 99.737, 198.230

Sweetspot

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



50, 99.735, 328.230



82, 47.891, 326.082



26, 115.283, 306.228



41, 32.583, 326.303



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, 99.735, 328.230



60, 115.562, 328.235



45, 73.101, 2.100



41, 7.693, 324.937



40, 84.656, 328.235



6, 31.111, 327.826

Inverse Universe

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



50, 99.735, 328.230



60, 115.562, 328.235



74, 76.952, 149.095



41, 7.693, 324.937



40, 84.656, 328.235



6, 31.111, 327.826

Previews

White Background



This preview shows how the CIELCh color 50, 99.737, 328.230 looks on a white background.

Color Contrast Check

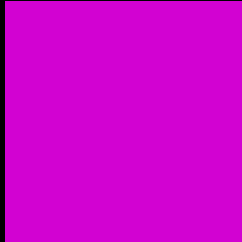
Large Text (above 18pt) WCAG AA ✓ Pass

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, 99.737, 328.230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

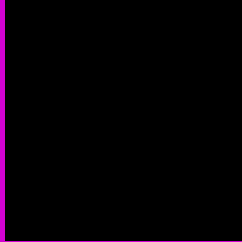
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 99.737, 328.230

Background



This preview shows how black text looks on a background with the CIELCh color 50, 99.737, 328.230.



This preview shows how white text looks on a background with the CIELCh color 50, 99.737, 328.230.

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, 99.650, 328.227

Protanopia

51, 75.737, 287.570

Deuteranopia

51, 45.751, 279.839



Tritanopia
50, 50.254, 23.793

Trichromacy



Original Color
50, 99.650, 328.227



Protanomaly
42, 93.761, 301.721



Deuteranomaly
44, 73.822, 308.083



Tritanomaly
48, 64.662, 351.397

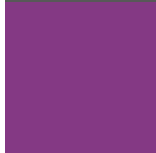
Monochromacy



Original Color
50, 99.650, 328.227



Achromatopsia
37, 0.005, 296.813



Achromatomaly
37, 51.055, 327.240

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 99.737, 328.230 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(210, 2, 210)` looks like.

```
.text, #text, p{  
    color:rgb(210, 2, 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(210, 2, 210) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 50, 99.737, 328.230 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(210, 2, 210) }
```

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

```
.border{ border-color:rgb(210, 2, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 2, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 2, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 2, 210);  
box-shadow:4px 4px 4px 4px rgb(210, 2,  
210) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 99.737, 328.230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 2, 210) }
```

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

```
.background{ background-color: rgb(210, 2,  
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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