

Converting Colors

CIELCh(50, 99.456, 328.257)

Have a look what the booklet for
CIELCh(50, 99.456, 328.257)
contains.

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Color

CIELCh(50, 99.563, 328.224)

Conversions

Conversions Part 1

Format	Color
Hex	D203D2
RGB	210, 3, 210
RGB Percent	82%, 1%, 82%
CMY	0.1765, 0.9882, 0.1765
CMYK	0.00, 0.99, 0.00, 0.18
HSL	300°, 97%, 42%
HSV	300°, 99%, 82%
XYZ	38.2420, 18.4187, 62.5091
YIQ	88.4910, 56.9250, 108.2610

Conversions

Conversions Part 2

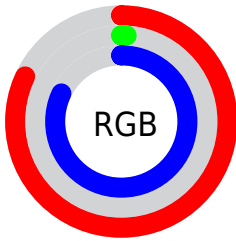
Format	Color
R_{YB}	210, 3, 210
Decimal	13763538
CIE _{Lab}	50.00, 84.64, -52.43
CIE _{LCh}	50, 99.563, 328.224
Yxy	18.4187, 0.3209, 0.1546
Android (android.graphics.Color)	4291953618 (0xFFD203D2)
YUV	88.4910, 59.9039, 106.5634
Hunter-Lab	42.9170, 83.9512, -56.3147

Details

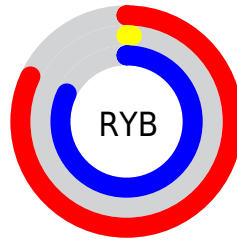
The CIELCh color **50, 99.563, 328.224** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **74, 103.139, 136.065**, and the grayscale version is **37, 0.005, 296.813**.

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, 99.823, 328.233**, and if you desaturate by 10%, it is **51, 97.230, 328.144**.

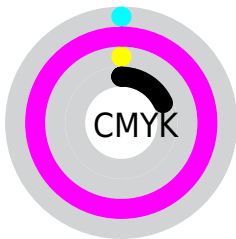
Distribution



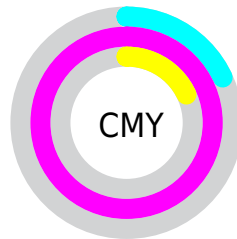
- Red (82%)
- Green (1%)
- Blue (82%)



- 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, 99.563, 328.224 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, 99.563, 328.224 by changing the saturation by 10% instead.


 50, 99.563,
328.224


 50, 99.563,
328.224


 100, 99.563,
328.224


 40, 99.563,
328.224

 70, 99.563,
328.224

 30, 99.563,
328.224

 80, 99.563,
328.224

 20, 99.563,
328.224

 90, 99.563,
328.224

 10, 99.563,
328.224

 0, 99.563, 328.224

 50, 99.563,
328.224

 50, 99.563,
328.224

50, 99.823,
328.233

51, 97.230,
328.144

52, 92.574,
327.982

54, 85.395,
327.729

57, 75.959,
327.389

61, 64.734,
326.975

65, 52.248,
326.502

70, 38.990,
325.988

74, 25.359,
325.447

80, 11.654,

Harmonies

Complementary

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



50, 99.563, 328.224



74, 103.139, 136.065

Rectangle

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



50, 99.563, 328.224



50, 99.563, 18.224



50, 99.563, 148.224



50, 99.563, 198.224

Sweetspot

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



50, 99.561, 328.224



82, 47.892, 326.081



26, 114.901, 306.177



41, 32.584, 326.302



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, 99.561, 328.224



60, 115.566, 328.233



45, 72.979, 1.829



41, 7.693, 324.936



40, 84.659, 328.233



6, 31.112, 327.825

Inverse Universe

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



50, 99.561, 328.224



60, 115.566, 328.233



74, 76.604, 149.241



41, 7.693, 324.936



40, 84.659, 328.233



6, 31.112, 327.825

Previews

White Background



This preview shows how the CIELCh color 50, 99.563, 328.224 looks on a white background.

Color Contrast Check

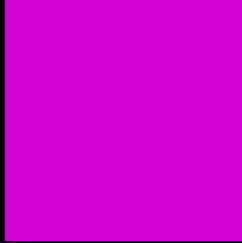
Large Text (above 18pt) WCAG AA ✓ Pass

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, 99.563, 328.224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

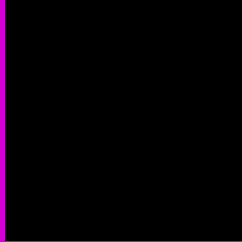
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 99.563, 328.224

Background



This preview shows how black text looks on a background with the CIELCh color 50, 99.563, 328.224.

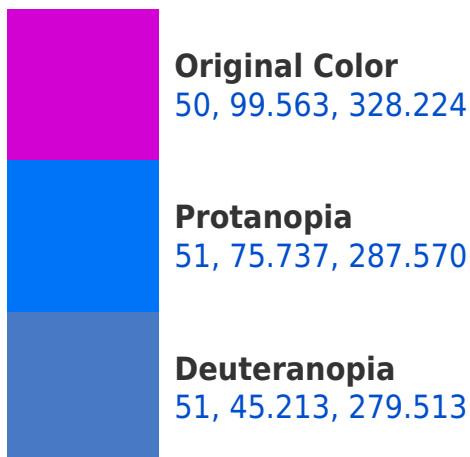


This preview shows how white text looks on a background with the CIELCh color 50, 99.563, 328.224.

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, 50.591, 23.328

Trichromacy



Original Color
50, 99.563, 328.224



Protanomaly
42, 93.168, 301.534



Deuteranomaly
44, 73.822, 308.083



Tritanomaly
48, 64.662, 351.397

Monochromacy



Original Color
50, 99.563, 328.224



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, 99.563, 328.224 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, 3, 210)` looks like.

```
.text, #text, p{  
    color:rgb(210, 3, 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, 3, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 3, 210) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 99.563, 328.224 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, 3, 210) }
```

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

```
.border{ border-color:rgb(210, 3, 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, 3, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 3, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 3, 210);  
box-shadow:4px 4px 4px 4px rgb(210, 3,  
210) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 99.563, 328.224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 3, 210) }
```

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

```
.background{ background-color: rgb(210, 3,  
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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