

Converting Colors

CIELCh(52, 102.623, 328.482)

Have a look what the booklet for
CIELCh(52, 102.623, 328.482)
contains.

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Color

CIELCh(52, 102.649, 328.416)

Conversions

Conversions Part 1

Format	Color
Hex	DB00DA
RGB	219, 0, 218
RGB Percent	86%, 0%, 85%
CMY	0.1409, 0.9986, 0.1448
CMYK	0.00, 1.00, 0.00, 0.14
HSL	300°, 100%, 43%
HSV	300°, 100%, 86%
XYZ	41.9039, 20.1443, 68.0590
YIQ	90.3330, 60.5460, 114.2260

Conversions

Conversions Part 2

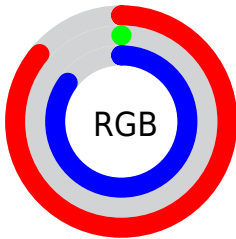
Format	Color
R _Y B	219, 0, 218
Decimal	14352602
CIE Lab	52.00, 87.44, -53.76
CIE LCh	52, 102.649, 328.416
Yxy	20.1443, 0.3221, 0.1548
Android (android.graphics.Color)	4292542682 (0xFFDB00DA)
YUV	90.3330, 62.9398, 112.8410
Hunter-Lab	44.8824, 88.1100, -58.4887

Details

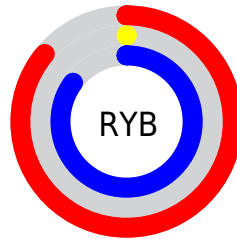
The CIELCh color **52, 102.649, 328.416** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **77, 106.689, 136.051**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **67, 92.684, 327.538**, and **38, 82.376, 327.509** is the 20% darker color. If you saturate the color by 10%, you get **52, 102.674, 328.417**, and if you desaturate by 10%, it is **53, 100.530, 328.329**.

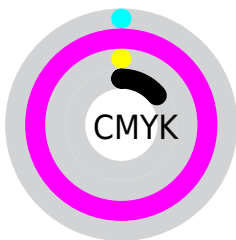
Distribution



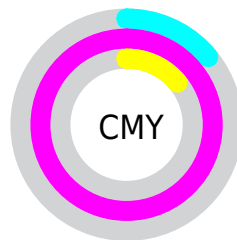
- Red (86%)
- Green (0%)
- Blue (85%)



- Red (86%)
- Yellow (0%)
- Blue (85%)



- Cyan (0%)
- Magenta (100%)
- Yellow (0%)
- Black (14%)





- Cyan (14%)
- Magenta (100%)
- Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 102.649, 328.416 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 52, 102.649, 328.416 by changing the saturation by 10% instead.


 52, 102.649,
328.416


 52, 102.649,
328.416


 100, 102.649,
328.416


 42, 102.649,
328.416


 72, 102.649,
328.416


 32, 102.649,
328.416


 82, 102.649,
328.416

 22, 102.649,
328.416

 92, 102.649,
328.416

 12, 102.649,
328.416

 2, 102.649,
328.416

 0, 102.649,
328.416

■ 52, 102.649,
328.416

■ 52, 102.649,
328.416

■ 52, 102.674,
328.417

■ 53, 100.530,
328.329

■ 54, 96.136,
328.168

■ 56, 89.110,
327.918

■ 59, 79.687,
327.581

■ 63, 68.333,
327.170

■ 67, 55.598,
326.698

■ 72, 41.999,
326.185

■ 77, 27.966,

325.643

■ 82, 13.821,
325.084

Harmonies

Complementary

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



52, 102.649, 328.416



77, 106.689, 136.051

Rectangle

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



52, 102.649, 328.416



52, 102.649, 18.416



52, 102.649, 148.416



52, 102.649, 198.416

Sweetspot

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



52, 102.646, 328.416



82, 47.746, 326.206



27, 119.245, 306.276



41, 32.485, 326.429



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



52, 102.646, 328.416



60, 115.145, 328.419



47, 75.484, 2.467



43, 7.976, 325.061



41, 86.241, 328.414



7, 34.447, 328.322

Inverse Universe

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



52, 102.646, 328.416



60, 115.145, 328.419



77, 79.785, 148.899



43, 7.976, 325.061



41, 86.241, 328.414



7, 34.447, 328.322

Previews

White Background



This preview shows how the CIE LCh color 52, 102.649, 328.416 looks on a white background.

Color Contrast Check

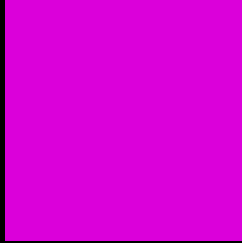
Large Text (above 18pt) WCAG AA ✓ Pass

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 52, 102.649, 328.416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

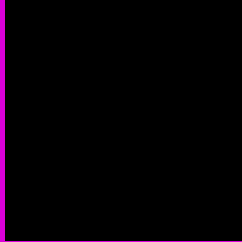
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 102.649, 328.416

Background



This preview shows how black text looks on a background with the CIELCh color 52, 102.649, 328.416.

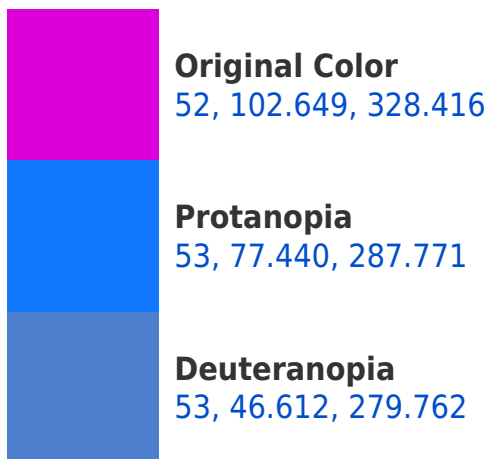


This preview shows how white text looks on a background with the CIELCh color 52, 102.649, 328.416.

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
52, 52.134, 24.012

Trichromacy



Original Color
52, 102.649, 328.416



Protanomaly
44, 96.238, 302.909



Deuteranomaly
46, 76.829, 308.517



Tritanomaly
50, 66.660, 351.531

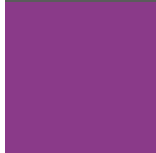
Monochromacy



Original Color
52, 102.649, 328.416



Achromatopsia
39, 0.005, 296.813



Achromatomaly
38, 53.364, 327.668

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 102.649, 328.416 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(219, 0, 218)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 218)  
}
```

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(219, 0, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 218) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 102.649, 328.416 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(219, 0, 218) }
```

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

```
.border{ border-color:rgb(219, 0, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 0, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 218);  
box-shadow:4px 4px 4px 4px rgb(219, 0,  
218) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 102.649, 328.416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 0, 218) }
```

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

```
.background{ background-color: rgb(219, 0,  
218) }
```

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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