

Converting Colors

CIELCh(52, 107.088, 326.018)

Have a look what the booklet for
CIELCh(52, 107.088, 326.018)
contains.

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Color

CIELCh(52, 106.878, 325.979)

Conversions

Conversions Part 1

Format	Color
Hex	D800E5
RGB	216, 0, 229
RGB Percent	85%, 0%, 90%
CMY	0.1544, 1.0000, 0.1034
CMYK	0.06, 1.00, 0.00, 0.10
HSL	297°, 100%, 45%
HSV	297°, 100%, 90%
XYZ	42.2816, 20.1443, 75.5229
YIQ	90.6900, 55.2270, 117.0110

Conversions

Conversions Part 2

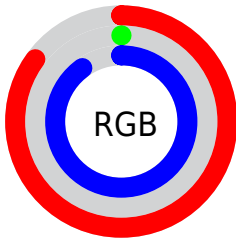
Format	Color
RYB	216, 0, 229
Decimal	14156005
CIELab	52.00, 88.58, -59.80
CIElCh	52, 106.878, 325.979
Yxy	20.1443, 0.3065, 0.1460
Android (android.graphics.Color)	4292346085 (0xFFD800E5)
YUV	90.6900, 68.1868, 109.8969
Hunter-Lab	44.8824, 89.6123, -68.3486

Details

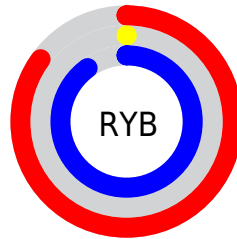
The CIELCh color **52, 106.878, 325.979** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **80, 110.012, 135.832**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **67, 92.684, 327.538**, and **38, 86.550, 324.638** is the 20% darker color. If you saturate the color by 10%, you get **52, 106.752, 325.973**, and if you desaturate by 10%, it is **53, 104.456, 326.081**.

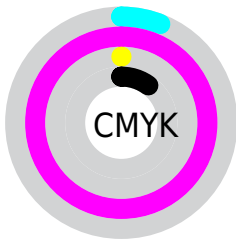
Distribution



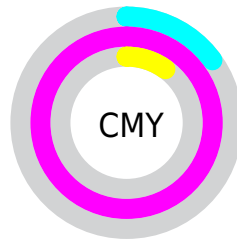
- Red (85%)
- Green (0%)
- Blue (90%)



- Red (85%)
- Yellow (0%)
- Blue (90%)



- Cyan (6%)
- Magenta (100%)
- Yellow (0%)
- Black (10%)





- Cyan (15%)
- Magenta (100%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 106.878, 325.979 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, 106.878, 325.979 by changing the saturation by 10% instead.


 52, 106.878,
325.979


 52, 106.878,
325.979


 100, 106.878,
325.979


 42, 106.878,
325.979


 72, 106.878,
325.979


 32, 106.878,
325.979


 82, 106.878,
325.979

 22, 106.878,
325.979

 92, 106.878,
325.979

 12, 106.878,
325.979

 2, 106.878,
325.979

 0, 106.878,
325.979

■ 52, 106.878,
325.979

■ 52, 106.878,
325.979

■ 52, 106.752,
325.973

■ 53, 104.456,
326.081

■ 55, 99.729,
326.073

■ 57, 92.240,
325.935

■ 60, 82.293,
325.680

■ 64, 70.420,
325.328

■ 69, 57.209,
324.904

■ 74, 43.193,
324.430

■ 79, 28.796,

323.925

■ 85, 14.331,
323.403

Harmonies

Complementary

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



52, 106.878, 325.979



80, 110.012, 135.832

Rectangle

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



52, 106.878, 325.979



52, 106.878, 15.979



52, 106.878, 145.979



52, 106.878, 195.979

Sweetspot

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



52, 106.752, 325.973



82, 47.187, 324.439



29, 120.365, 305.642



41, 32.131, 324.644



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, 106.752, 325.973



58, 115.936, 325.959



50, 79.239, 356.363



45, 8.161, 323.374



41, 88.702, 326.008



8, 37.197, 326.346

Inverse Universe

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



48, 94.037, 38.232



53, 102.374, 38.420



80, 88.174, 145.704



45, 4.823, 15.329



37, 77.591, 37.679



6, 26.927, 19.409

Previews

White Background



This preview shows how the CIE LCh color 52, 106.878, 325.979 looks on a white background.

Color Contrast Check

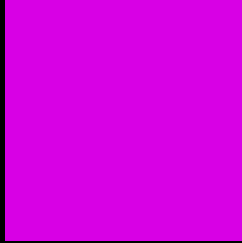
Large Text (above 18pt) WCAG AA ✓ Pass

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, 106.878, 325.979 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

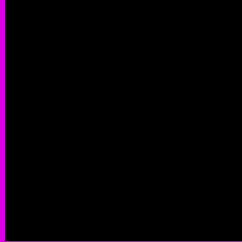
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 106.878, 325.979

Background



This preview shows how black text looks on a background with the CIELCh color 52, 106.878, 325.979.



This preview shows how white text looks on a background with the CIELCh color 52, 106.878, 325.979.

325.979.

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

52, 106.878, 325.979

Protanopia

53, 77.446, 287.744

Deuteranopia

53, 52.052, 278.841



Tritanopia
52, 47.938, 22.307

Trichromacy



Original Color
52, 106.878, 325.979



Protanomaly
44, 97.857, 302.759



Deuteranomaly
45, 81.684, 305.472



Tritanomaly
50, 66.602, 347.502

Monochromacy



Original Color
52, 106.878, 325.979



Achromatopsia
39, 0.005, 296.813



Achromatomaly
38, 54.969, 325.475

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 106.878, 325.979 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, 229)` looks like.

```
.text, #text, p{  
    color:rgb(216, 0, 229)  
}
```

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, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 0, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 106.878, 325.979 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, 229) }
```

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

```
.border{ border-color:rgb(216, 0, 229) }
```

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, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 0, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 0, 229);  
box-shadow:4px 4px 4px 4px rgb(216, 0,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 106.878, 325.979 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, 229) }
```

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

```
.background{ background-color: rgb(216, 0,  
229) }
```

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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