

Converting Colors

CIELCh(52, 102.945, 328.322)

Have a look what the booklet for
CIELCh(52, 102.945, 328.322)
contains.

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Color

CIELCh(52, 103.020, 328.233)

Conversions

Conversions Part 1

Format	Color
Hex	DB00DB
RGB	219, 0, 219
RGB Percent	86%, 0%, 86%
CMY	0.1416, 1.0000, 0.1416
CMYK	0.00, 1.00, 0.00, 0.14
HSL	300°, 100%, 43%
HSV	300°, 100%, 86%
XYZ	41.9513, 20.1443, 68.6270
YIQ	90.4470, 60.2250, 114.5370

Conversions

Conversions Part 2

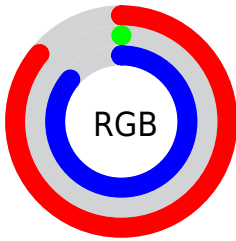
Format	Color
RYB	219, 0, 219
Decimal	14352603
CIELab	52.00, 87.59, -54.24
CIELCh	52, 103.020, 328.233
Yxy	20.1443, 0.3209, 0.1541
Android (android.graphics.Color)	4292542683 (0xFFDB00DB)
YUV	90.4470, 63.3766, 112.7410
Hunter-Lab	44.8824, 88.2983, -59.2390

Details

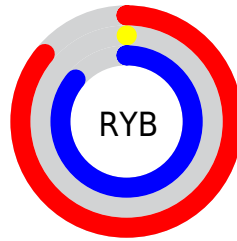
The CIELCh color **52, 103.020, 328.233** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **76, 106.738, 136.016**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **67, 92.684, 327.538**, and **38, 82.775, 327.274** is the 20% darker color. If you saturate the color by 10%, you get **52, 102.985, 328.232**, and if you desaturate by 10%, it is **53, 100.855, 328.161**.

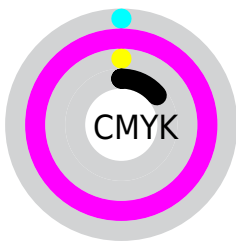
Distribution



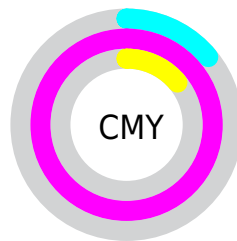
- Red (86%)
- Green (0%)
- Blue (86%)



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



- 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, 103.020, 328.233 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, 103.020, 328.233 by changing the saturation by 10% instead.


 52, 103.020,
328.233


 52, 103.020,
328.233


 100, 103.020,
328.233


 42, 103.020,
328.233


 72, 103.020,
328.233


 32, 103.020,
328.233


 82, 103.020,
328.233

 22, 103.020,
328.233

 92, 103.020,
328.233

 12, 103.020,
328.233

 2, 103.020,
328.233

 0, 103.020,
328.233

■ 52, 103.020,
328.233

■ 52, 103.020,
328.233

■ 52, 102.985,
328.232

■ 53, 100.855,
328.161

■ 54, 96.473,
328.014

■ 56, 89.460,
327.775

■ 59, 80.044,
327.448

■ 63, 68.688,
327.043

■ 67, 55.941,
326.577

■ 72, 42.320,
326.066

■ 77, 28.257,

325.528

■ 82, 14.078,
324.970

Harmonies

Complementary

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



52, 103.020, 328.233



76, 106.738, 136.016

Rectangle

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



52, 103.020, 328.233



52, 103.020, 18.233



52, 103.020, 148.233



52, 103.020, 198.233

Sweetspot

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



52, 102.985, 328.232



82, 47.892, 326.080



27, 118.541, 306.125



41, 32.584, 326.301



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, 102.985, 328.232



60, 115.567, 328.232



47, 75.672, 0.931



43, 8.001, 324.938



41, 86.549, 328.232



7, 34.556, 328.173

Inverse Universe

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



46, 93.190, 40.000



53, 104.575, 40.000



77, 81.180, 148.046



43, 4.639, 19.930



36, 78.234, 39.928



5, 23.840, 20.268

Previews

White Background



This preview shows how the CIELCh color 52, 103.020, 328.233 looks on a white background.

Color Contrast Check

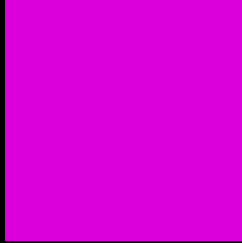
Large Text (above 18pt) WCAG AA ✓ Pass

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, 103.020, 328.233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

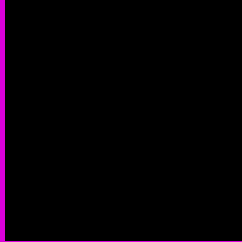
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 103.020, 328.233

Background



This preview shows how black text looks on a background with the CIELCh color 52, 103.020, 328.233.



This preview shows how white text looks on a background with the CIELCh color 52, 103.020, 328.233.

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, 103.020, 328.233

Protanopia

53, 77.440, 287.771

Deuteranopia

53, 47.188, 279.843



Tritanopia
52, 51.979, 23.408

Trichromacy



Original Color
52, 103.020, 328.233



Protanomaly
44, 96.238, 302.909



Deuteranomaly
46, 77.361, 308.252



Tritanomaly
50, 66.851, 351.079

Monochromacy



Original Color
52, 103.020, 328.233



Achromatopsia
38, 0.005, 296.813



Achromatomaly
38, 53.817, 327.309

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 103.020, 328.233 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, 219)` looks like.

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

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, 219) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 52, 103.020, 328.233 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, 219) }
```

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

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

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, 219)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 52, 103.020, 328.233 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, 219) }
```

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

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

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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