

Converting Colors

CIELCh(52, 102.316, 317.249)

Have a look what the booklet for
CIELCh(52, 102.316, 317.249)
contains.

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Color

CIELCh(52, 102.175, 317.298)

Conversions

Conversions Part 1

Format	Color
Hex	B83DF5
RGB	184, 61, 245
RGB Percent	72%, 24%, 96%
CMY	0.2781, 0.7604, 0.0389
CMYK	0.25, 0.75, 0.00, 0.04
HSL	280°, 90%, 60%
HSV	280°, 75%, 96%
XYZ	37.9531, 20.1443, 88.3387
YIQ	118.7530, 14.2440, 83.3000

Conversions

Conversions Part 2

Format	Color
RYB	184, 61, 245
Decimal	12074485
CIELab	52.00, 75.09, -69.29
CIELCh	52, 102.175, 317.298
Yxy	20.1443, 0.2592, 0.1376
Android (android.graphics.Color)	4290264565 (0xFFB83DF5)
YUV	118.7530, 62.2398, 57.2216
Hunter-Lab	44.8824, 72.3975, -85.2783

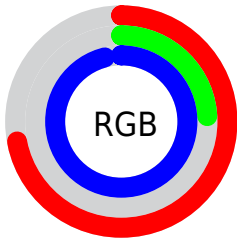
Details

The CIELCh color **52, 102.175, 317.298** is a light color, and the websafe version is hex **CC33FF**.

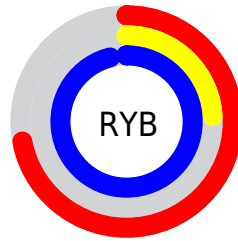
The color can be described as light washed purple. A complement of this color would be **87, 96.795, 131.470**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 80.567, 324.699**, and **34, 95.872, 316.267** is the 20% darker color. If you saturate the color by 10%, you get **48, 110.422, 317.091**, and if you desaturate by 10%, it is **57, 91.283, 317.247**.

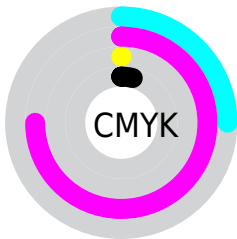
Distribution



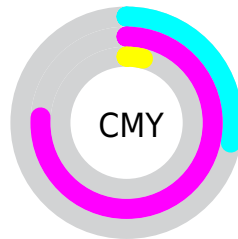
- Red (72%)
- Green (24%)
- Blue (96%)



- Red (72%)
- Yellow (24%)
- Blue (96%)



- Cyan (25%)
- Magenta (75%)
- Yellow (0%)
- Black (4%)





- Cyan (28%)
- Magenta (76%)
- Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 102.175, 317.298 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, 102.175, 317.298 by changing the saturation by 10% instead.


 52, 102.175,
317.298


 52, 102.175,
317.298


 100, 102.175,
317.298


 42, 102.175,
317.298


 72, 102.175,
317.298


 32, 102.175,
317.298


 82, 102.175,
317.298

 22, 102.175,
317.298

 92, 102.175,
317.298

 12, 102.175,
317.298

 2, 102.175,
317.298

 0, 102.175,
317.298

■ 52, 102.175,
317.298

■ 52, 102.175,
317.298

■ 48, 110.422,
317.091

■ 57, 91.283,
317.247

■ 46, 115.460,
316.560

■ 62, 78.542,
317.014

■ 45, 117.034,
316.210

■ 67, 64.687,
316.663

■ 74, 50.286,
316.248

■ 80, 35.734,
315.805

■ 87, 21.284,
315.357

■ 93, 7.087, 314.909

■ 99, 5.463, 132.236

100, 5.018,
109.788

Harmonies

Complementary

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



52, 102.175, 317.298



87, 96.795, 131.470

Rectangle

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



52, 102.175, 317.298



52, 102.175, 7.298



52, 102.175, 137.298



52, 102.175, 187.298

Sweetspot

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



52, 102.174, 317.298



84, 33.794, 315.714



54, 70.723, 288.241



43, 23.458, 315.876



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, 102.174, 317.298



49, 116.876, 316.863



60, 90.989, 334.336



48, 7.969, 315.109



34, 95.099, 316.382



7, 41.626, 317.591

Inverse Universe

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



56, 72.566, 7.384



55, 83.162, 13.994



86, 95.069, 141.352



48, 5.569, 354.656



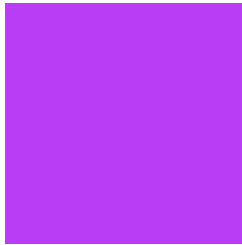
39, 68.283, 18.245



9, 29.627, 9.123

Previews

White Background



This preview shows how the CIELCh color 52, 102.175, 317.298 looks on a white background.

Color Contrast Check

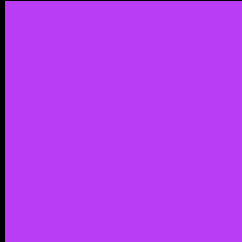
Large Text (above 18pt) WCAG AA ✓ Pass

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, 102.175, 317.298 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

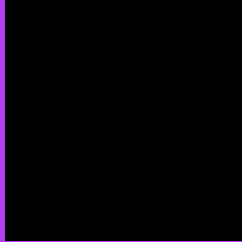
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 102.175, 317.298

Background



This preview shows how black text looks on a background with the CIELCh color 52, 102.175, 317.298.



This preview shows how white text looks on a background with the CIELCh color 52, 102.175, 317.298.

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, 102.175, 317.298

Protanopia

52, 77.063, 287.395

Deuteranopia

52, 56.758, 276.670



Tritanopia
52, 23.053, 10.908

Trichromacy



Original Color
52, 102.175, 317.298



Protanomaly
48, 87.743, 296.451



Deuteranomaly
48, 74.341, 293.441



Tritanomaly
51, 49.396, 329.543

Monochromacy



Original Color
52, 102.175, 317.298



Achromatopsia
50, 0.007, 296.813



Achromatomaly
49, 42.275, 316.540

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 102.175, 317.298 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(184, 61, 245)` looks like.

```
.text, #text, p{  
    color:rgb(184, 61, 245)  
}
```

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(184, 61, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 61, 245) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 102.175, 317.298 is called "border". The border property can be set on classes, ids or directly on the HTML element.

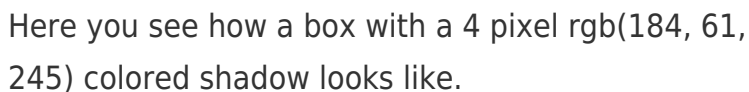
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(184, 61, 245) }
```

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

```
.border{ border-color:rgb(184, 61, 245) }
```

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



Here you see how a box with a 4 pixel `rgb(184, 61, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(184, 61, 245); -webkit-box-shadow:4px 4px 4px 4px rgb(184, 61, 245); box-shadow:4px 4px 4px 4px rgb(184, 61, 245) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 102.175, 317.298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 61, 245) }
```

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

```
.background{ background-color: rgb(184, 61,  
245) }
```

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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