

Converting Colors

CIELCh(52, 109.939, 317.452)

Have a look what the booklet for
CIELCh(52, 109.939, 317.452)
contains.

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Color

CIELCh(52, 109.857, 317.462)

Conversions

Conversions Part 1

Format	Color
Hex	BC32FE
RGB	188, 50, 254
RGB Percent	74%, 20%, 100%
CMY	0.2625, 0.8036, 0.0037
CMYK	0.26, 0.80, 0.00, 0.00
HSL	281°, 99%, 60%
HSV	281°, 80%, 100%
XYZ	39.7938, 20.1443, 95.6021
YIQ	114.5180, 16.7640, 92.7000

Conversions

Conversions Part 2

Format	Color
R _Y B	188, 50, 254
Decimal	12333822
CIE Lab	52.00, 80.95, -74.27
CIE LCh	52, 109.857, 317.462
Yxy	20.1443, 0.2558, 0.1295
Android (android.graphics.Color)	4290523902 (0xFFBC32FE)
YUV	114.5180, 68.7646, 64.4437
Hunter-Lab	44.8824, 79.7178, -94.8734

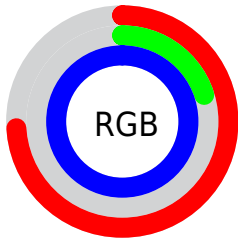
Details

The CIELCh color **52, 109.857, 317.462** is a light color, and the websafe version is hex **CC33FF**.

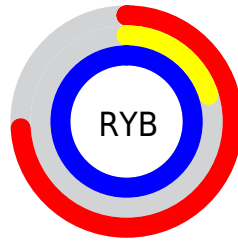
The color can be described as light washed purple. A complement of this color would be **89, 104.326, 131.727**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 84.630, 326.003**, and **35, 99.148, 315.883** is the 20% darker color. If you saturate the color by 10%, you get **49, 116.546, 317.088**, and if you desaturate by 10%, it is **56, 100.070, 317.543**.

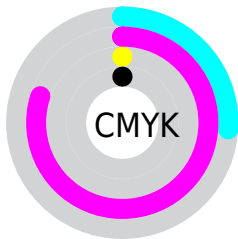
Distribution



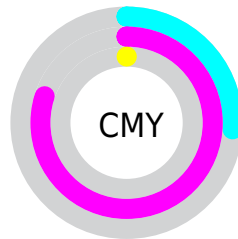
- Red (74%)
- Green (20%)
- Blue (100%)



- Red (74%)
- Yellow (20%)
- Blue (100%)



- Cyan (26%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)





- Cyan (26%)
- Magenta (80%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 109.857, 317.462 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, 109.857, 317.462 by changing the saturation by 10% instead.


 52, 109.857,
317.462


 52, 109.857,
317.462


 100, 109.857,
317.462


 42, 109.857,
317.462


 72, 109.857,
317.462


 32, 109.857,
317.462


 82, 109.857,
317.462

 22, 109.857,
317.462

 92, 109.857,
317.462

 12, 109.857,
317.462

 2, 109.857,
317.462

 0, 109.857,
317.462

52, 109.857,
317.462

52, 109.857,
317.462

49, 116.546,
317.088

56, 100.070,
317.543

47, 120.089,
316.437

61, 87.917,
317.401

67, 74.208,
317.109

73, 59.628,
316.726

79, 44.682,
316.295

86, 29.707,
315.848

93, 14.915,
315.403

99, 0.428, 314.511

100, 0.468,
109.978

Harmonies

Complementary

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



52, 109.857, 317.462



89, 104.326, 131.727

Rectangle

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



52, 109.857, 317.462



52, 109.857, 7.462



52, 109.857, 137.462



52, 109.857, 187.462

Sweetspot

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



52, 109.856, 317.462



84, 35.355, 316.015



53, 78.381, 290.174



42, 24.352, 316.174



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, 109.856, 317.462



48, 119.184, 316.723



60, 96.612, 334.735



49, 8.257, 315.368



35, 96.894, 316.607



8, 44.253, 317.832

Inverse Universe

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



57, 78.056, 10.162



54, 85.728, 17.963



88, 102.456, 140.509



50, 5.735, 355.199



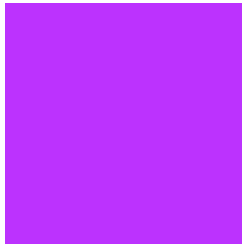
40, 69.934, 19.106



10, 31.376, 11.047

Previews

White Background



This preview shows how the CIELCh color 52, 109.857, 317.462 looks on a white background.

Color Contrast Check

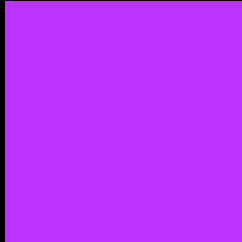
Large Text (above 18pt) WCAG AA ✓ Pass

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, 109.857, 317.462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

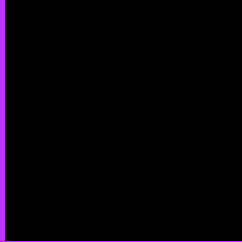
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 109.857, 317.462

Background



This preview shows how black text looks on a background with the CIELCh color 52, 109.857, 317.462.



This preview shows how white text looks on a background with the CIELCh color 52, 109.857,

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, 109.857, 317.462

Protanopia

52, 77.063, 287.395

Deuteranopia

52, 56.250, 276.330



Tritanopia
52, 25.253, 10.950

Trichromacy



Original Color
52, 109.857, 317.462



Protanomaly
48, 91.808, 297.689



Deuteranomaly
47, 78.491, 295.072



Tritanomaly
50, 54.278, 329.862

Monochromacy



Original Color
52, 109.857, 317.462



Achromatopsia
48, 0.006, 296.813



Achromatomaly
47, 47.324, 316.985

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 109.857, 317.462 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(188, 50, 254)` looks like.

```
.text, #text, p{  
    color:rgb(188, 50, 254)  
}
```

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(188, 50, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 50, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 109.857, 317.462 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(188, 50, 254) }
```

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

```
.border{ border-color:rgb(188, 50, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 50, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 50, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 50, 254);  
box-shadow:4px 4px 4px 4px rgb(188, 50,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 109.857, 317.462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 50, 254) }
```

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

```
.background{ background-color: rgb(188, 50,  
254) }
```

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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