

Converting Colors

CIELCh(52, 111.522, 317.690)

Have a look what the booklet for
CIELCh(52, 111.522, 317.690)
contains.

CIELCh(52, 111.395, 317.799)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(52, 111.395, 317.799)

Conversions

Conversions Part 1

Format	Color
Hex	BE2EFF
RGB	190, 46, 255
RGB Percent	75%, 18%, 100%
CMY	0.2546, 0.8192, 0.0000
CMYK	0.25, 0.82, 0.00, 0.00
HSL	281°, 100%, 59%
HSV	281°, 82%, 100%
XYZ	40.2985, 20.1443, 96.4368
YIQ	112.8820, 18.7350, 95.5270

Conversions

Conversions Part 2

Format	Color
R _Y B	190, 46, 255
Decimal	12463871
CIE Lab	52.00, 82.52, -74.83
CIE LCh	52, 111.395, 317.799
Yxy	20.1443, 0.2569, 0.1284
Android (android.graphics.Color)	4290653951 (0xFFBE2EFF)
YUV	112.8820, 70.0642, 67.6325
Hunter-Lab	44.8824, 81.7251, -95.9760

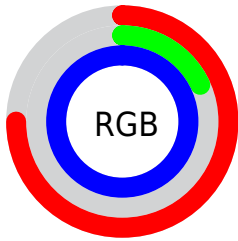
Details

The CIELCh color **52, 111.395, 317.799** is a light color, and the websafe version is hex **CC33FF**.

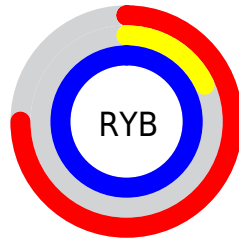
The color can be described as light washed purple. A complement of this color would be **89, 106.260, 132.070**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 85.800, 326.478**, and **36, 99.393, 316.084** is the 20% darker color. If you saturate the color by 10%, you get **49, 117.416, 317.384**, and if you desaturate by 10%, it is **56, 102.115, 317.933**.

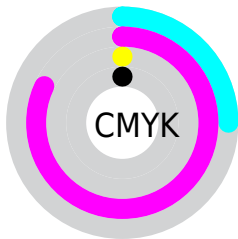
Distribution



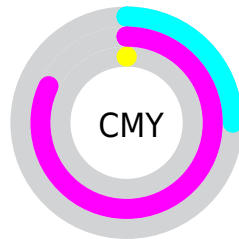
- Red (75%)
- Green (18%)
- Blue (100%)



- Red (75%)
- Yellow (18%)
- Blue (100%)



- Cyan (25%)
- Magenta (82%)
- Yellow (0%)
- Black (0%)





- Cyan (25%)
- Magenta (82%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 111.395, 317.799 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, 111.395, 317.799 by changing the saturation by 10% instead.


 52, 111.395,
317.799


 52, 111.395,
317.799


 100, 111.395,
317.799


 42, 111.395,
317.799


 72, 111.395,
317.799


 32, 111.395,
317.799


 82, 111.395,
317.799

 22, 111.395,
317.799

 92, 111.395,
317.799

 12, 111.395,
317.799

 2, 111.395,
317.799

 0, 111.395,
317.799

■ 52, 111.395,
317.799

■ 52, 111.395,
317.799

■ 49, 117.416,
317.384

■ 56, 102.115,
317.933

■ 48, 120.129,
316.835

■ 61, 90.341,
317.828

■ 66, 76.847,
317.562

■ 72, 62.348,
317.195

■ 79, 47.385,
316.773

■ 85, 32.327,
316.330

■ 92, 17.412,
315.884

■ 99, 2.780, 315.396

100, 0.012,
296.813

Harmonies

Complementary

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



52, 111.395, 317.799



89, 106.260, 132.070

Rectangle

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



52, 111.395, 317.799



52, 111.395, 7.799



52, 111.395, 137.799



52, 111.395, 187.799

Sweetspot

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



52, 111.360, 317.807



83, 36.959, 316.467



51, 82.515, 291.834



42, 25.275, 316.624



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, 111.360, 317.807



48, 119.516, 316.974



60, 96.544, 335.667



49, 8.284, 315.777



35, 96.658, 317.003



8, 44.164, 318.196

Inverse Universe

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



56, 79.372, 11.961



54, 86.964, 20.265



88, 103.033, 140.686



50, 5.697, 356.071



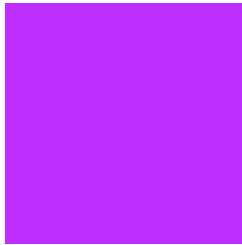
40, 70.327, 20.284



10, 31.419, 11.985

Previews

White Background



This preview shows how the CIELCh color 52, 111.395, 317.799 looks on a white background.

Color Contrast Check

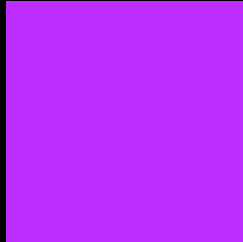
Large Text (above 18pt) WCAG AA ✓ Pass

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, 111.395, 317.799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

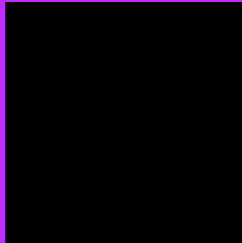
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 111.395, 317.799

Background



This preview shows how black text looks on a background with the CIELCh color 52, 111.395, 317.799.



This preview shows how white text looks on a background with the CIELCh color 52, 111.395, 317.799.

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, 111.395, 317.799

Protanopia

52, 77.063, 287.395

Deuteranopia

52, 56.250, 276.330



Tritanopia
52, 26.069, 12.712

Trichromacy



Original Color
52, 111.395, 317.799



Protanomaly
47, 93.550, 298.273



Deuteranomaly
47, 79.103, 295.464



Tritanomaly
50, 55.150, 330.573

Monochromacy



Original Color
52, 111.395, 317.799



Achromatopsia
48, 0.006, 296.813



Achromatomaly
46, 48.027, 317.150

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 111.395, 317.799 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(190, 46, 255)` looks like.

```
.text, #text, p{  
    color:rgb(190, 46, 255)  
}
```

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(190, 46, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 46, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 111.395, 317.799 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(190, 46, 255) }
```

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

```
.border{ border-color:rgb(190, 46, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 46, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 46, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 46, 255);  
box-shadow:4px 4px 4px 4px rgb(190, 46,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 111.395, 317.799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 46, 255) }
```

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

```
.background{ background-color: rgb(190, 46,  
255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor