

Converting Colors

CIELCh(52, 108.441, 319.808)

Have a look what the booklet for
CIELCh(52, 108.441, 319.808)
contains.

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Color

CIELCh(52, 108.349, 319.819)

Conversions

Conversions Part 1

Format	Color
Hex	C42AF6
RGB	196, 42, 246
RGB Percent	77%, 16%, 96%
CMY	0.2301, 0.8334, 0.0340
CMYK	0.20, 0.83, 0.00, 0.03
HSL	285°, 92%, 57%
HSV	285°, 83%, 97%
XYZ	40.3819, 20.1443, 89.2134
YIQ	111.3020, 26.3000, 96.0920

Conversions

Conversions Part 2

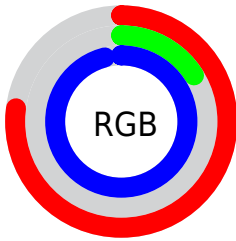
Format	Color
R _Y B	196, 42, 246
Decimal	12856054
CIE Lab	52.00, 82.78, -69.91
CIE LCh	52, 108.349, 319.819
Yxy	20.1443, 0.2697, 0.1345
Android (android.graphics.Color)	4291046134 (0xFFC42AF6)
YUV	111.3020, 66.4061, 74.2801
Hunter-Lab	44.8824, 82.0570, -86.4338

Details

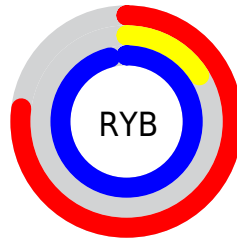
The CIELCh color **52, 108.349, 319.819** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **86, 105.739, 133.492**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 87.120, 327.363**, and **36, 94.829, 318.103** is the 20% darker color. If you saturate the color by 10%, you get **50, 113.543, 319.430**, and if you desaturate by 10%, it is **55, 100.055, 319.947**.

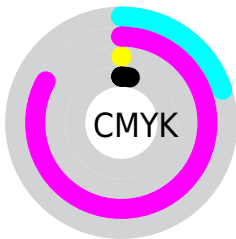
Distribution



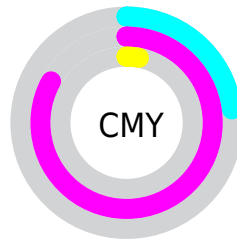
- Red (77%)
- Green (16%)
- Blue (96%)



- Red (77%)
- Yellow (16%)
- Blue (96%)



- Cyan (20%)
- Magenta (83%)
- Yellow (0%)
- Black (3%)





- Cyan (23%)
- Magenta (83%)
- Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 108.349, 319.819 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, 108.349, 319.819 by changing the saturation by 10% instead.


 52, 108.349,
319.819


 52, 108.349,
319.819


 100, 108.349,
319.819


 42, 108.349,
319.819


 72, 108.349,
319.819


 32, 108.349,
319.819


 82, 108.349,
319.819

 22, 108.349,
319.819

 92, 108.349,
319.819

 12, 108.349,
319.819

 2, 108.349,
319.819

 0, 108.349,
319.819

■ 52, 108.349,
319.819

■ 52, 108.349,
319.819

■ 50, 113.543,
319.430

■ 55, 100.055,
319.947

■ 48, 115.619,
319.003

■ 60, 89.172,
319.862

■ 65, 76.417,
319.621

■ 70, 62.483,
319.276

■ 76, 47.928,
318.868

■ 82, 33.158,
318.430

■ 89, 18.442,
317.981

■ 95, 3.950, 317.501

Harmonies

Complementary

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



52, 108.349, 319.819



86, 105.739, 133.492

Rectangle

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



52, 108.349, 319.819



52, 108.349, 9.819



52, 108.349, 139.819



52, 108.349, 189.819

Sweetspot

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



52, 108.348, 319.819



83, 37.514, 318.531



46, 89.640, 295.812



42, 25.636, 318.687



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, 108.348, 319.819



50, 118.430, 319.048



57, 90.158, 339.232



48, 8.150, 317.833



36, 93.626, 319.146



8, 41.398, 320.246

Inverse Universe

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



54, 78.926, 17.823



54, 90.598, 26.554



86, 96.520, 142.489



48, 5.342, 0.713



39, 71.320, 25.902



9, 29.832, 14.439

Previews

White Background



This preview shows how the CIELCh color 52, 108.349, 319.819 looks on a white background.

Color Contrast Check

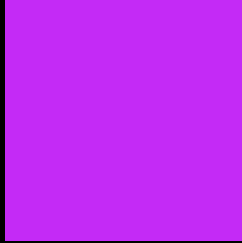
Large Text (above 18pt) WCAG AA ✓ Pass

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, 108.349, 319.819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

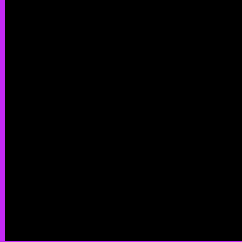
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 108.349, 319.819

Background



This preview shows how black text looks on a background with the CIELCh color 52, 108.349, 319.819.

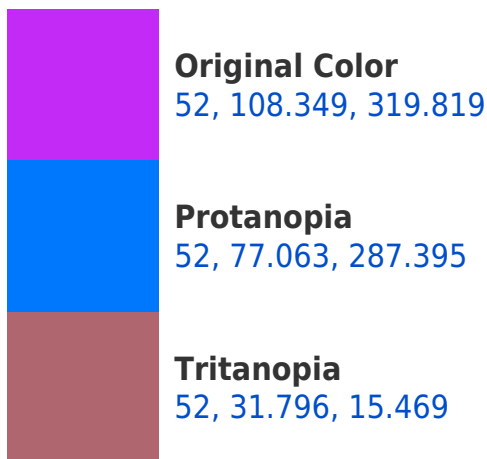


This preview shows how white text looks on a background with the CIELCh color 52, 108.349, 319.819.

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



Trichromacy



Original Color
52, 108.349, 319.819



Protanomaly
47, 92.528, 298.471



Tritanomaly
50, 56.721, 335.262

Monochromacy



Original Color
52, 108.349, 319.819



Achromatopsia
47, 0.006, 296.813



Achromatomaly
46, 47.497, 319.410

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 108.349, 319.819 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(196, 42, 246)` looks like.

```
.text, #text, p{  
    color:rgb(196, 42, 246)  
}
```

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(196, 42, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 42, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 108.349, 319.819 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(196, 42, 246) }
```

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

```
.border{ border-color:rgb(196, 42, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 42, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 42, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 42, 246);  
box-shadow:4px 4px 4px 4px rgb(196, 42,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 108.349, 319.819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 42, 246) }
```

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

```
.background{ background-color: rgb(196, 42,  
246) }
```

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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