

Converting Colors

CIELCh(54, 109.512, 318.967)

Have a look what the booklet for
CIELCh(54, 109.512, 318.967)
contains.

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Color

CIELCh(54, 109.168, 319.080)

Conversions

Conversions Part 1

Format	Color
Hex	C834FF
RGB	200, 52, 255
RGB Percent	78%, 20%, 100%
CMY	0.2154, 0.7958, 0.0000
CMYK	0.22, 0.80, 0.00, 0.00
HSL	284°, 100%, 60%
HSV	284°, 80%, 100%
XYZ	43.1269, 21.9746, 96.6268
YIQ	119.3940, 23.0450, 94.5090

Conversions

Conversions Part 2

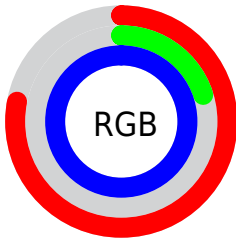
Format	Color
R _{YB}	200, 52, 255
Decimal	13120767
CIE _{Lab}	54.00, 82.49, -71.51
CIE _{LCh}	54, 109.168, 319.080
Y _{xy}	21.9746, 0.2667, 0.1359
Android (android.graphics.Color)	4291310847 (0xFFC834FF)
YUV	119.3940, 66.8538, 70.6915
Hunter-Lab	46.8770, 82.1855, -89.3995

Details

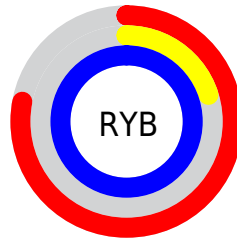
The CIELCh color **54, 109.168, 319.080** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **89, 105.522, 132.940**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 83.658, 327.254**, and **37, 98.436, 317.662** is the 20% darker color. If you saturate the color by 10%, you get **51, 115.668, 318.760**, and if you desaturate by 10%, it is **58, 99.540, 319.151**.

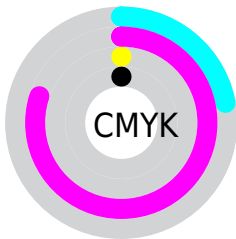
Distribution



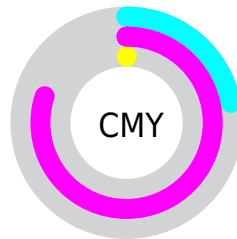
- Red (78%)
- Green (20%)
- Blue (100%)



- Red (78%)
- Yellow (20%)
- Blue (100%)



- Cyan (22%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)





- Cyan (22%)
- Magenta (80%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 54, 109.168, 319.080 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 54, 109.168, 319.080 by changing the saturation by 10% instead.


 54, 109.168,
319.080


 54, 109.168,
319.080


 100, 109.168,
319.080


 44, 109.168,
319.080


 74, 109.168,
319.080


 34, 109.168,
319.080


 84, 109.168,
319.080

 24, 109.168,
319.080

 94, 109.168,
319.080

 14, 109.168,
319.080

 4, 109.168,
319.080

 0, 109.168,
319.080

■ 54, 109.168,
319.080

■ 54, 109.168,
319.080

■ 51, 115.668,
318.760

■ 58, 99.540,
319.151

■ 49, 119.110,
318.157

■ 63, 87.530,
319.012

■ 49, 119.231,
318.130

■ 68, 73.881,
318.730

■ 74, 59.273,
318.358

■ 80, 44.224,
317.935

■ 87, 29.089,
317.492

■ 94, 14.100,
317.045

100, 0.012,

Harmonies

Complementary

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



54, 109.168, 319.080



89, 105.522, 132.940

Rectangle

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



54, 109.168, 319.080



54, 109.168, 9.080



54, 109.168, 139.080



54, 109.168, 189.080

Sweetspot

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



54, 109.141, 319.087



84, 35.779, 317.690



51, 84.095, 292.996



42, 24.631, 317.847



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



54, 109.141, 319.087



50, 117.819, 318.458



60, 93.287, 337.119



50, 8.371, 317.042



37, 95.954, 318.284



9, 43.901, 319.369

Inverse Universe

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



57, 78.422, 14.315



54, 87.298, 22.134



88, 98.873, 142.016



50, 5.587, 358.876



40, 71.767, 23.856



10, 31.593, 14.708

Previews

White Background



This preview shows how the CIELCh color 54, 109.168, 319.080 looks on a white background.

Color Contrast Check

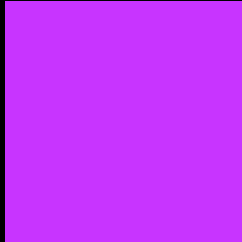
Large Text (above 18pt) WCAG AA ✓ Pass

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 54, 109.168, 319.080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

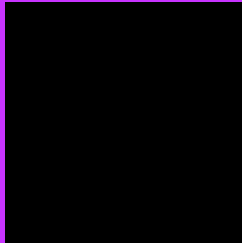
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 54, 109.168, 319.080

Background



This preview shows how black text looks on a background with the CIELCh color 54, 109.168, 319.080.



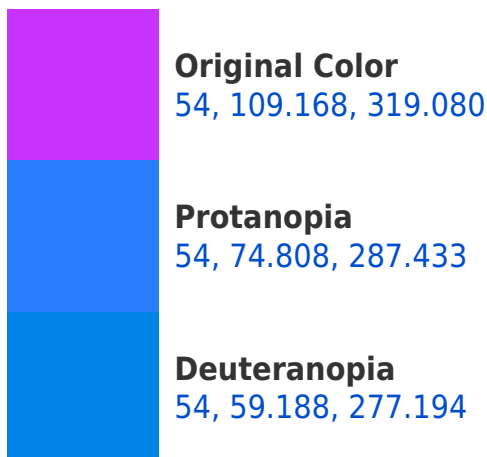
This preview shows how white text looks on a background with the CIELCh color 54, 109.168, 319.080.

319.080.

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





Tritanopia
54, 29.775, 14.491

Trichromacy



Original Color
54, 109.168, 319.080



Protanomaly
50, 90.381, 300.226



Deuteranomaly
49, 79.718, 295.135



Tritanomaly
52, 55.567, 334.128

Monochromacy



Original Color
54, 109.168, 319.080



Achromatopsia
50, 0.007, 296.813



Achromatomaly
49, 46.307, 318.364

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 109.168, 319.080 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(200, 52, 255)` looks like.

```
.text, #text, p{  
    color:rgb(200, 52, 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(200, 52, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 52, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 109.168, 319.080 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(200, 52, 255) }
```

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

```
.border{ border-color:rgb(200, 52, 255) }
```

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

Here you see how a box with a 4 pixel rgb(200, 52, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 52, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 52, 255);  
box-shadow:4px 4px 4px 4px rgb(200, 52,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 109.168, 319.080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 52, 255) }
```

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

```
.background{ background-color: rgb(200, 52,  
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](#).

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