

Converting Colors

CIELCh(55, 108.502, 319.507)

Have a look what the booklet for
CIELCh(55, 108.502, 319.507)
contains.

CIELCh(55, 108.089, 319.596)	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(55, 108.089, 319.596)

Conversions

Conversions Part 1

Format	Color
Hex	CC38FF
RGB	204, 56, 255
RGB Percent	80%, 22%, 100%
CMY	0.1983, 0.7822, 0.0000
CMYK	0.20, 0.78, 0.00, 0.00
HSL	285°, 100%, 61%
HSV	285°, 78%, 100%
XYZ	44.5324, 22.9298, 97.0482
YIQ	122.9380, 24.3290, 93.2650

Conversions

Conversions Part 2

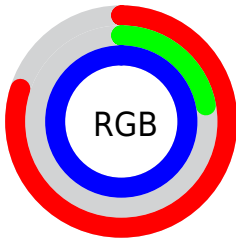
Format	Color
R _Y B	204, 56, 255
Decimal	13383935
CIE Lab	55.00, 82.31, -70.06
CIE LCh	55, 108.089, 319.596
Yxy	22.9298, 0.2707, 0.1394
Android (android.graphics.Color)	4291574015 (0xFFCC38FF)
YUV	122.9380, 65.1066, 71.0914
Hunter-Lab	47.8851, 82.2034, -86.6428

Details

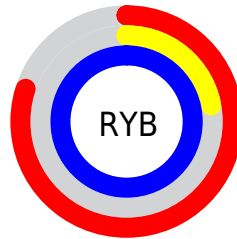
The CIELCh color **55, 108.089, 319.596** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **89, 104.850, 133.311**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 82.129, 327.205**, and **38, 98.078, 318.322** is the 20% darker color. If you saturate the color by 10%, you get **52, 114.742, 319.370**, and if you desaturate by 10%, it is **59, 98.060, 319.677**.

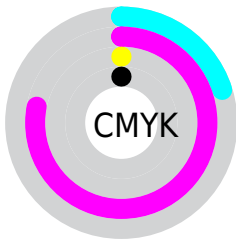
Distribution



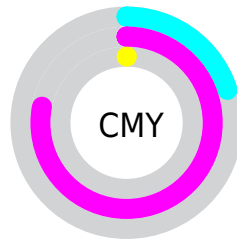
- Red (80%)
- Green (22%)
- Blue (100%)



- Red (80%)
- Yellow (22%)
- Blue (100%)



- Cyan (20%)
- Magenta (78%)
- Yellow (0%)
- Black (0%)





- Cyan (20%)
- Magenta (78%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 108.089, 319.596 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 55, 108.089, 319.596 by changing the saturation by 10% instead.


 55, 108.089,
319.596


 55, 108.089,
319.596


 100, 108.089,
319.596


 45, 108.089,
319.596


 75, 108.089,
319.596


 35, 108.089,
319.596


 85, 108.089,
319.596

 25, 108.089,
319.596

 95, 108.089,
319.596

 15, 108.089,
319.596

 5, 108.089,
319.596

 0, 108.089,
319.596

■ 55, 108.089,
319.596

■ 55, 108.089,
319.596

■ 52, 114.742,
319.370

■ 59, 98.060,
319.677

■ 50, 118.383,
318.818

■ 64, 85.878,
319.516

■ 50, 118.867,
318.708

■ 69, 72.116,
319.221

■ 75, 57.435,
318.842

■ 81, 42.335,
318.417

■ 88, 27.164,
317.972

■ 94, 12.146,
317.521

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.



55, 108.089, 319.596



89, 104.850, 133.311

Rectangle

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



55, 108.089, 319.596



55, 108.089, 9.596



55, 108.089, 139.596



55, 108.089, 189.596

Sweetspot

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



55, 107.904, 319.647



85, 34.405, 318.186



51, 84.573, 293.475



43, 23.862, 318.346



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



55, 107.904, 319.647



51, 117.190, 319.081



60, 91.565, 337.837



50, 8.409, 317.579



37, 95.669, 318.854



9, 43.794, 319.887

Inverse Universe

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



57, 77.750, 15.162



54, 87.552, 23.053



89, 96.571, 142.752



50, 5.544, 0.118



40, 72.476, 25.331



10, 31.681, 15.781

Previews

White Background



This preview shows how the CIELCh color 55, 108.089, 319.596 looks on a white background.

Color Contrast Check

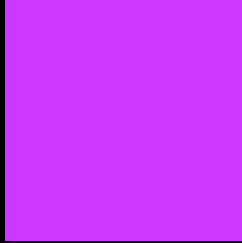
Large Text (above 18pt) WCAG AA ✓ Pass

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 55, 108.089, 319.596 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

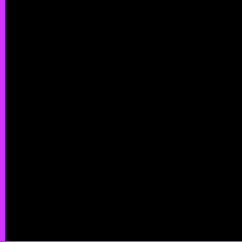
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 108.089, 319.596

Background



This preview shows how black text looks on a background with the CIELCh color 55, 108.089, 319.596.



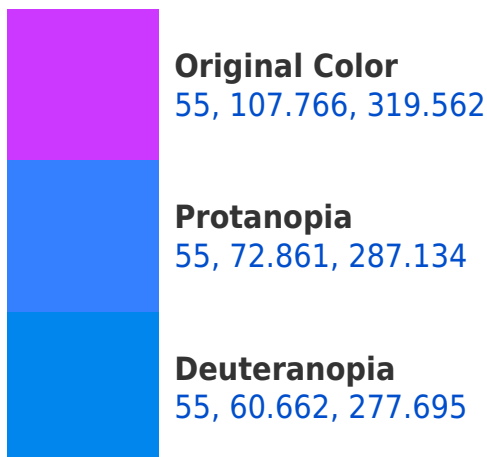
This preview shows how white text looks on a background with the CIELCh color 55, 108.089, 319.596.

319.596.

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
55, 31.412, 15.167

Trichromacy



Original Color
55, 107.766, 319.562



Protanomaly
52, 87.772, 300.528



Deuteranomaly
50, 80.630, 295.052



Tritanomaly
53, 55.505, 335.193

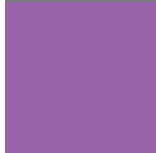
Monochromacy



Original Color
55, 107.766, 319.562



Achromatopsia
52, 0.007, 296.813



Achromatomaly
50, 46.380, 319.193

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 108.089, 319.596 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(204, 56, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 56, 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(204, 56, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 56, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 108.089, 319.596 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(204, 56, 255) }
```

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

```
.border{ border-color:rgb(204, 56, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 56, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 56, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 56, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 56,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 108.089, 319.596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 56, 255) }
```

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

```
.background{ background-color: rgb(204, 56,  
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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