

Converting Colors

CIELCh(55, 108.636, 319.784)

Have a look what the booklet for
CIELCh(55, 108.636, 319.784)
contains.

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Color

CIELCh(55, 108.377, 319.786)

Conversions

Conversions Part 1

Format	Color
Hex	CD36FF
RGB	205, 54, 255
RGB Percent	80%, 21%, 100%
CMY	0.1949, 0.7868, 0.0000
CMYK	0.19, 0.79, 0.00, 0.00
HSL	285°, 100%, 61%
HSV	285°, 79%, 100%
XYZ	44.6881, 22.9298, 96.9161
YIQ	122.0630, 25.4750, 94.5230

Conversions

Conversions Part 2

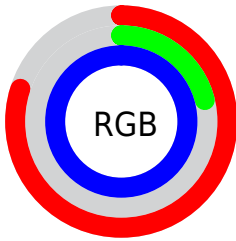
Format	Color
R _Y B	205, 54, 255
Decimal	13448959
CIE _{Lab}	55.00, 82.76, -69.97
CIE _{LCh}	55, 108.377, 319.786
Y _{xy}	22.9298, 0.2716, 0.1394
Android (android.graphics.Color)	4291639039 (0xFFCD36FF)
YUV	122.0630, 65.5379, 72.7357
Hunter-Lab	47.8851, 82.7835, -86.4792

Details

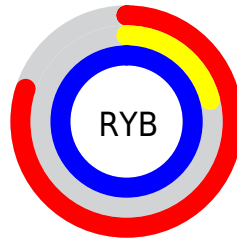
The CIELCh color **55, 108.377, 319.786** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **89, 105.394, 133.430**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 82.642, 327.221**, and **38, 97.991, 318.489** is the 20% darker color. If you saturate the color by 10%, you get **52, 114.899, 319.535**, and if you desaturate by 10%, it is **59, 98.579, 319.858**.

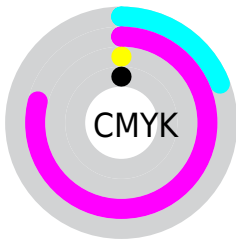
Distribution



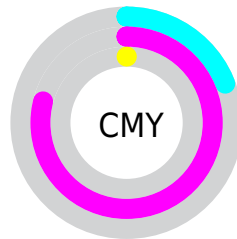
- Red (80%)
- Green (21%)
- Blue (100%)



- Red (80%)
- Yellow (21%)
- Blue (100%)



- Cyan (19%)
- Magenta (79%)
- Yellow (0%)
- Black (0%)





- Cyan (19%)
- Magenta (79%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 108.377, 319.786 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, 108.377, 319.786 by changing the saturation by 10% instead.


 55, 108.377,
319.786


 55, 108.377,
319.786


 100, 108.377,
319.786


 45, 108.377,
319.786


 75, 108.377,
319.786


 35, 108.377,
319.786


 85, 108.377,
319.786

 25, 108.377,
319.786

 95, 108.377,
319.786

 15, 108.377,
319.786

 5, 108.377,
319.786

 0, 108.377,
319.786

■ 55, 108.377,
319.786

■ 55, 108.377,
319.786

■ 52, 114.899,
319.535

■ 59, 98.579,
319.858

■ 50, 118.394,
318.982

■ 64, 86.520,
319.705

■ 50, 118.749,
318.902

■ 69, 72.834,
319.416

■ 75, 58.187,
319.040

■ 81, 43.091,
318.616

■ 88, 27.903,
318.171

■ 94, 12.854,
317.720

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, 108.377, 319.786



89, 105.394, 133.430

Rectangle

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



55, 108.377, 319.786



55, 108.377, 9.786



55, 108.377, 139.786



55, 108.377, 189.786

Sweetspot

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



55, 108.255, 319.820



84, 35.972, 318.409



50, 87.207, 294.526



42, 24.758, 318.567



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, 108.255, 319.820



51, 117.092, 319.270



60, 90.800, 338.767



50, 8.423, 317.757



37, 95.577, 319.046



9, 43.760, 320.062

Inverse Universe

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



57, 78.193, 15.835



54, 87.812, 23.539



89, 95.824, 143.193



50, 5.531, 0.535



40, 72.723, 25.812



10, 31.712, 16.125

Previews

White Background



This preview shows how the CIELCh color 55, 108.377, 319.786 looks on a white background.

Color Contrast Check

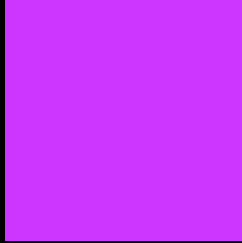
Large Text (above 18pt) WCAG AA ✓ Pass

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, 108.377, 319.786 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

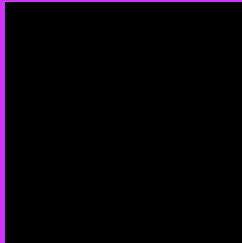
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 108.377, 319.786

Background



This preview shows how black text looks on a background with the CIELCh color 55, 108.377, 319.786.



This preview shows how white text looks on a background with the CIELCh color 55, 108.377, 319.786.

319.786.

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

55, 108.377, 319.786

Protanopia

55, 72.861, 287.134

Deuteranopia

55, 60.662, 277.695



Tritanopia
55, 32.301, 15.538

Trichromacy



Original Color
55, 108.377, 319.786



Protanomaly
52, 88.378, 300.733



Deuteranomaly
50, 80.612, 295.160



Tritanomaly
53, 55.877, 335.900

Monochromacy



Original Color
55, 108.377, 319.786



Achromatopsia
51, 0.007, 296.813



Achromatomaly
50, 46.427, 319.202

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 108.377, 319.786 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(205, 54, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 54, 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(205, 54, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 54, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 108.377, 319.786 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(205, 54, 255) }
```

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

```
.border{ border-color:rgb(205, 54, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 54, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 54, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 54, 255);  
box-shadow:4px 4px 4px 4px rgb(205, 54,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 108.377, 319.786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 54, 255) }
```

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

```
.background{ background-color: rgb(205, 54,  
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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