

Converting Colors

CIELCh(55, 108.447, 319.854)

Have a look what the booklet for
CIELCh(55, 108.447, 319.854)
contains.

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Color

CIELCh(55, 108.346, 319.942)

Conversions

Conversions Part 1

Format	Color
Hex	CE36FF
RGB	206, 54, 255
RGB Percent	81%, 21%, 100%
CMY	0.1928, 0.7890, 0.0006
CMYK	0.19, 0.79, 0.00, 0.00
HSL	285°, 100%, 61%
HSV	285°, 79%, 100%
XYZ	44.7455, 22.9298, 96.5455
YIQ	122.3620, 26.0710, 94.7350

Conversions

Conversions Part 2

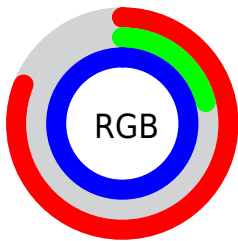
Format	Color
R _Y B	206, 54, 255
Decimal	13514495
CIE _{Lab}	55.00, 82.93, -69.73
CIE _{LCh}	55, 108.346, 319.942
Y _{xy}	22.9298, 0.2725, 0.1396
Android (android.graphics.Color)	4291704575 (0xFFCE36FF)
YUV	122.3620, 65.3905, 73.3505
Hunter-Lab	47.8851, 82.9975, -86.0203

Details

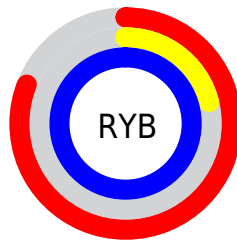
The CIELCh color **55, 108.346, 319.942** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **89, 105.617, 133.512**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 82.642, 327.221**, and **38, 97.905, 318.657** is the 20% darker color. If you saturate the color by 10%, you get **52, 114.891, 319.656**, and if you desaturate by 10%, it is **59, 98.757, 319.984**.

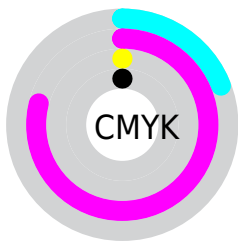
Distribution



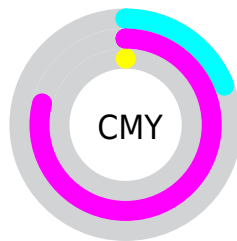
- Red (81%)
- Green (21%)
- Blue (100%)



- Red (81%)
- 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, 108.346, 319.942 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, 108.346, 319.942 by changing the saturation by 10% instead.


 55, 108.346,
319.942


 55, 108.346,
319.942


 100, 108.346,
319.942


 45, 108.346,
319.942


 75, 108.346,
319.942


 35, 108.346,
319.942


 85, 108.346,
319.942

 25, 108.346,
319.942

 95, 108.346,
319.942

 15, 108.346,
319.942

 5, 108.346,
319.942

 0, 108.346,
319.942

■ 55, 108.346,
319.942

■ 55, 108.346,
319.942

■ 52, 114.891,
319.656

■ 59, 98.757,
319.984

■ 50, 118.316,
319.106

■ 64, 86.766,
319.833

■ 50, 118.614,
319.039

■ 69, 73.125,
319.547

■ 75, 58.502,
319.173

■ 81, 43.413,
318.749

■ 87, 28.222,
318.304

■ 94, 13.162,
317.852

100, 0.066,

Harmonies

Complementary

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



55, 108.346, 319.942



89, 105.617, 133.512

Rectangle

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



55, 108.346, 319.942



55, 108.346, 9.942



55, 108.346, 139.942



55, 108.346, 189.942

Sweetspot

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



55, 108.344, 319.942



84, 36.006, 318.533



49, 87.411, 294.591



43, 24.780, 318.691



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, 108.344, 319.942



51, 117.333, 319.344



60, 90.858, 338.790



50, 8.432, 317.881



37, 95.513, 319.181



9, 43.736, 320.183

Inverse Universe

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



57, 78.382, 16.251



54, 88.536, 24.438



89, 95.951, 143.158



50, 5.521, 0.827



40, 72.897, 26.143



10, 31.734, 16.360

Previews

White Background



This preview shows how the CIELCh color 55, 108.346, 319.942 looks on a white background.

Color Contrast Check

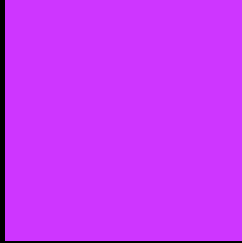
Large Text (above 18pt) WCAG AA ✓ Pass

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, 108.346, 319.942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

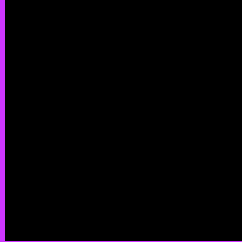
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 108.346, 319.942

Background



This preview shows how black text looks on a background with the CIELCh color 55, 108.346, 319.942.



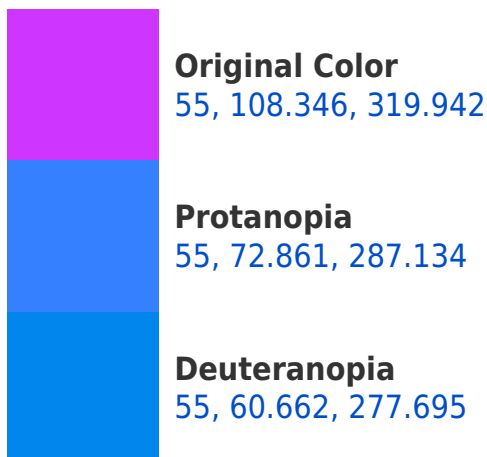
This preview shows how white text looks on a background with the CIELCh color 55, 108.346, 319.942.

319.942.

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, 32.721, 15.702

Trichromacy



Original Color
55, 108.346, 319.942



Protanomaly
52, 88.359, 300.864



Deuteranomaly
50, 80.067, 295.070



Tritanomaly
53, 56.057, 336.240

Monochromacy



Original Color
55, 108.346, 319.942



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, 108.346, 319.942 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(206, 54, 255)` looks like.

```
.text, #text, p{  
    color:rgb(206, 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(206, 54, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 54, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 108.346, 319.942 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(206, 54, 255) }
```

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

```
.border{ border-color:rgb(206, 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(206, 54, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 54, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 54, 255);  
box-shadow:4px 4px 4px 4px rgb(206, 54,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 108.346, 319.942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 54, 255) }
```

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

```
.background{ background-color: rgb(206, 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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