

Converting Colors

CIELCh(55, 95.953, 313.454)

Have a look what the booklet for
CIELCh(55, 95.953, 313.454)
contains.

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Color

CIELCh(55, 95.768, 313.444)

Conversions

Conversions Part 1

Format	Color
Hex	B055FE
RGB	176, 85, 254
RGB Percent	69%, 33%, 100%
CMY	0.3092, 0.6661, 0.0034
CMYK	0.31, 0.67, 0.00, 0.00
HSL	272°, 99%, 67%
HSV	272°, 67%, 100%
XYZ	39.1082, 22.9298, 96.2512
YIQ	131.4750, -0.0130, 71.8510

Conversions

Conversions Part 2

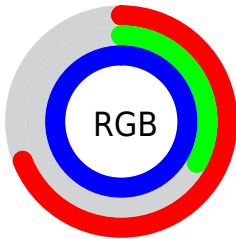
Format	Color
R _Y B	176, 85, 254
Decimal	11556350
CIE Lab	55.00, 65.85, -69.53
CIE LCh	55, 95.768, 313.444
Yxy	22.9298, 0.2471, 0.1449
Android (android.graphics.Color)	4289746430 (0xFFB055FE)
YUV	131.4750, 60.4048, 39.0484
Hunter-Lab	47.8851, 61.9837, -85.6560

Details

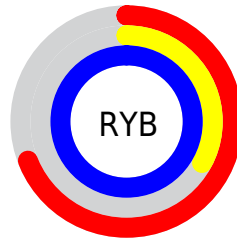
The CIELCh color **55, 95.768, 313.444** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **91, 87.510, 127.630**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 68.590, 321.844**, and **35, 95.618, 313.423** is the 20% darker color. If you saturate the color by 10%, you get **50, 107.599, 313.584**, and if you desaturate by 10%, it is **61, 82.186, 313.104**.

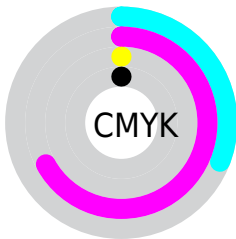
Distribution



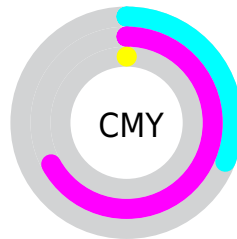
- Red (69%)
- Green (33%)
- Blue (100%)



- Red (69%)
- Yellow (33%)
- Blue (100%)



- Cyan (31%)
- Magenta (67%)
- Yellow (0%)
- Black (0%)





- Cyan (31%)
- Magenta (67%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 95.768, 313.444 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, 95.768, 313.444 by changing the saturation by 10% instead.


 55, 95.768,
313.444

 55, 95.768,
313.444


 100, 95.768,
313.444


 45, 95.768,
313.444


 75, 95.768,
313.444

 35, 95.768,
313.444

 85, 95.768,
313.444

 25, 95.768,
313.444

 95, 95.768,
313.444

 15, 95.768,
313.444

 5, 95.768, 313.444

 0, 95.768, 313.444

■ 55, 95.768,
313.444

■ 55, 95.768,
313.444

■ 50, 107.599,
313.584

■ 61, 82.186,
313.104

■ 46, 116.701,
313.415

■ 67, 67.678,
312.651

■ 43, 122.287,
312.843

■ 74, 52.820,
312.147

■ 42, 123.680,
312.588

■ 81, 37.975,
311.635

■ 88, 23.357,
311.138

■ 95, 9.080, 310.665

100, 0.423,
109.963

Harmonies

Complementary

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



55, 95.768, 313.444



91, 87.510, 127.630

Rectangle

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



55, 95.768, 313.444



55, 95.768, 3.444



55, 95.768, 133.444



55, 95.768, 183.444

Sweetspot

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



55, 95.767, 313.444



86, 28.515, 311.310



66, 52.016, 274.025



44, 19.522, 311.449



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, 95.767, 313.444



48, 111.441, 313.565



65, 95.146, 328.760



49, 7.995, 310.806



31, 99.700, 312.781



6, 44.844, 313.943

Inverse Universe

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



62, 70.378, 354.799



58, 79.142, 358.552



89, 97.019, 139.155



50, 6.223, 346.562



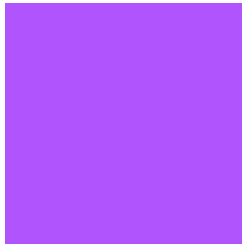
41, 68.005, 5.819



10, 31.559, 359.634

Previews

White Background



This preview shows how the CIELCh color 55, 95.768, 313.444 looks on a white background.

Color Contrast Check

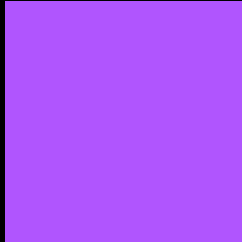
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 55, 95.768, 313.444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

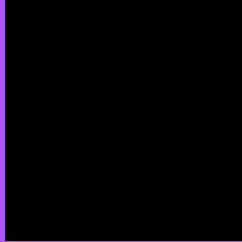
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 95.768, 313.444

Background



This preview shows how black text looks on a background with the CIELCh color 55, 95.768, 313.444.

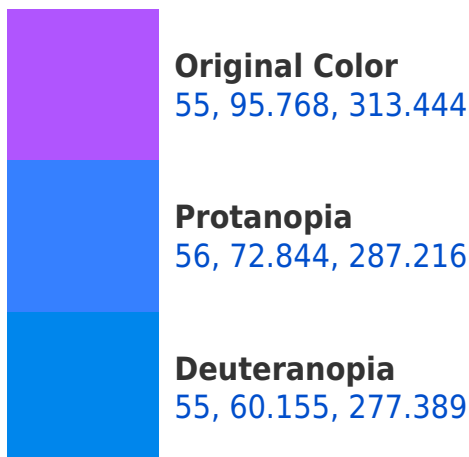


This preview shows how white text looks on a background with the CIELCh color 55, 95.768, 313.444.

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, 13.714, 356.382

Trichromacy



Original Color
55, 95.768, 313.444



Protanomaly
53, 81.818, 296.927



Deuteranomaly
52, 73.440, 290.498



Tritanomaly
54, 43.187, 319.838

Monochromacy



Original Color
55, 95.768, 313.444



Achromatopsia
55, 0.007, 296.813



Achromatomaly
54, 37.141, 312.093

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 95.768, 313.444 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(176, 85, 254)` looks like.

```
.text, #text, p{  
    color:rgb(176, 85, 254)  
}
```

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(176, 85, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 85, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 95.768, 313.444 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(176, 85, 254) }
```

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

```
.border{ border-color:rgb(176, 85, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 85, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 85, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 85, 254);  
box-shadow:4px 4px 4px 4px rgb(176, 85,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 95.768, 313.444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 85, 254) }
```

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

```
.background{ background-color: rgb(176, 85,  
254) }
```

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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