

Converting Colors

CIELCh(55, 77.958, 318.224)

Have a look what the booklet for
CIELCh(55, 77.958, 318.224)
contains.

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Color

CIELCh(55, 77.991, 318.229)

Conversions

Conversions Part 1

Format	Color
Hex	B85BDF
RGB	184, 91, 223
RGB Percent	72%, 36%, 87%
CMY	0.2792, 0.6439, 0.1263
CMYK	0.18, 0.59, 0.00, 0.13
HSL	282°, 67%, 61%
HSV	282°, 59%, 87%
XYZ	36.7327, 22.9298, 72.1555
YIQ	133.8550, 13.0560, 60.7680

Conversions

Conversions Part 2

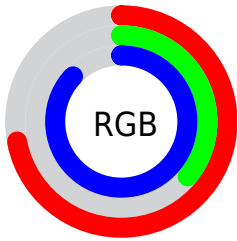
Format	Color
RYB	184, 91, 223
Decimal	12082143
CIELab	55.00, 58.17, -51.95
CIELCh	55, 77.991, 318.229
Yxy	22.9298, 0.2787, 0.1740
Android (android.graphics.Color)	4290272223 (0xFFB85BDF)
YUV	133.8550, 43.9485, 43.9772
Hunter-Lab	47.8851, 53.1284, -55.8214

Details

The CIELCh color **55, 77.991, 318.229** 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 **81, 74.959, 132.844**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **74, 66.433, 323.482**, and **35, 77.982, 318.138** is the 20% darker color. If you saturate the color by 10%, you get **51, 89.027, 318.386**, and if you desaturate by 10%, it is **60, 65.601, 317.934**.

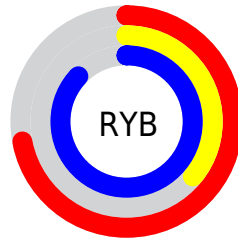
Distribution



Red (72%)

Green (36%)

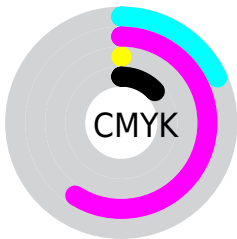
Blue (87%)



Red (72%)

Yellow (36%)

Blue (87%)

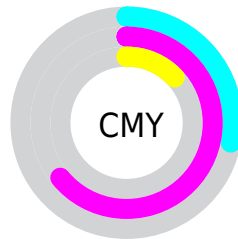


Cyan (18%)

Magenta (59%)

Yellow (0%)

Black (13%)



Cyan (28%)


Magenta (64%)


Yellow (13%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 77.991, 318.229 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, 77.991, 318.229 by changing the saturation by 10% instead.


 55, 77.991,
318.229


 55, 77.991,
318.229


 100, 77.991,
318.229


 45, 77.991,
318.229


 75, 77.991,
318.229

 35, 77.991,
318.229

 85, 77.991,
318.229

 25, 77.991,
318.229

 95, 77.991,
318.229

 15, 77.991,
318.229

 5, 77.991, 318.229

 0, 77.991, 318.229

55, 77.991,
318.229

55, 77.991,
318.229

51, 89.027,
318.386

60, 65.601,
317.934

47, 98.019,
318.342

65, 52.449,
317.555

44, 104.327,
318.031

71, 38.971,
317.130

42, 107.884,
317.440

77, 25.463,
316.689

42, 108.117,
317.392

83, 12.111,
316.247

89, 0.972, 136.049

95, 13.727,
135.469

98, 17.714,
131.128

■ 98, 16.918,
123.800

Harmonies

Complementary

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



55, 77.991, 318.229



81, 74.959, 132.844

Rectangle

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



55, 77.991, 318.229



55, 77.991, 8.229



55, 77.991, 138.229



55, 77.991, 188.229

Sweetspot

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



55, 77.989, 318.229



88, 26.552, 316.640



56, 53.214, 285.249



45, 18.497, 316.770



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, 77.989, 318.229



57, 101.101, 318.396



59, 70.306, 334.563



44, 7.487, 316.256



33, 90.562, 317.540



5, 34.877, 317.956

Inverse Universe

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



57, 55.159, 5.207



60, 71.864, 8.909



80, 71.139, 144.791



44, 5.089, 357.114



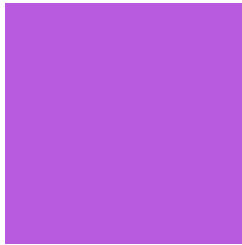
37, 66.448, 21.294



6, 25.351, 7.938

Previews

White Background



This preview shows how the CIELCh color 55, 77.991, 318.229 looks on a white background.

Color Contrast Check

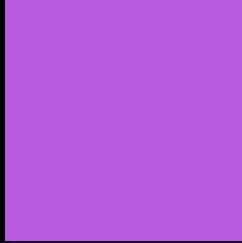
Large Text (above 18pt) WCAG AA ✓ Pass

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, 77.991, 318.229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

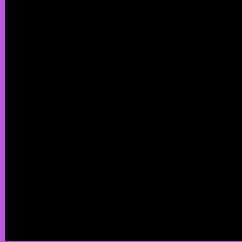
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 77.991, 318.229

Background



This preview shows how black text looks on a background with the CIELCh color 55, 77.991, 318.229.

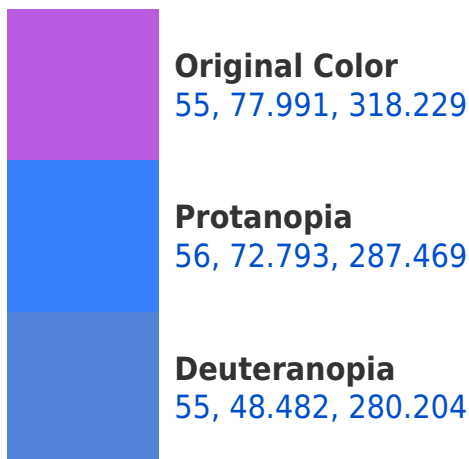


This preview shows how white text looks on a background with the CIELCh color 55, 77.991, 318.229.

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, 22.003, 8.673

Trichromacy



Original Color
55, 77.991, 318.229



Protanomaly
53, 73.988, 296.343



Deuteranomaly
54, 58.161, 297.021



Tritanomaly
54, 39.283, 332.780

Monochromacy



Original Color
55, 77.991, 318.229



Achromatopsia
56, 0.007, 296.813



Achromatomaly
54, 30.343, 317.212

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 77.991, 318.229 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(184, 91, 223)` looks like.

```
.text, #text, p{  
    color:rgb(184, 91, 223)  
}
```

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(184, 91, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 91, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 77.991, 318.229 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(184, 91, 223) }
```

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

```
.border{ border-color:rgb(184, 91, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 91, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 91, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 91, 223);  
box-shadow:4px 4px 4px 4px rgb(184, 91,  
223) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 77.991, 318.229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 91, 223) }
```

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

```
.background{ background-color: rgb(184, 91,  
223) }
```

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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