

Converting Colors

CIELCh(55, 101.206, 316.845)

Have a look what the booklet for
CIELCh(55, 101.206, 316.845)
contains.

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Color

CIELCh(55, 101.180, 316.811)

Conversions

Conversions Part 1

Format	Color
Hex	BF49FE
RGB	191, 73, 254
RGB Percent	75%, 29%, 100%
CMY	0.2518, 0.7145, 0.0047
CMYK	0.25, 0.71, 0.00, 0.00
HSL	279°, 99%, 64%
HSV	279°, 71%, 100%
XYZ	41.6591, 22.9298, 95.8250
YIQ	128.9160, 12.2270, 81.3070

Conversions

Conversions Part 2

Format	Color
RYB	191, 73, 254
Decimal	12536318
CIELab	55.00, 73.77, -69.25
CIELCh	55, 101.180, 316.811
Yxy	22.9298, 0.2597, 0.1429
Android (android.graphics.Color)	4290726398 (0xFFBF49FE)
YUV	128.9160, 61.6664, 54.4477
Hunter-Lab	47.8851, 71.4925, -85.1282

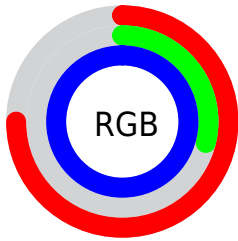
Details

The CIELCh color **55, 101.180, 316.811** is a light color, and the websafe version is hex **CC33FF**.

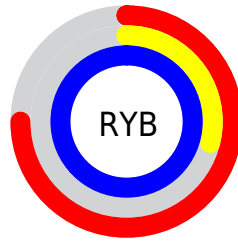
The color can be described as light washed purple. A complement of this color would be **90, 95.432, 131.043**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 75.320, 326.032**, and **36, 98.751, 316.499** is the 20% darker color. If you saturate the color by 10%, you get **51, 110.868, 316.711**, and if you desaturate by 10%, it is **60, 89.082, 316.676**.

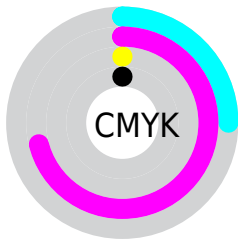
Distribution



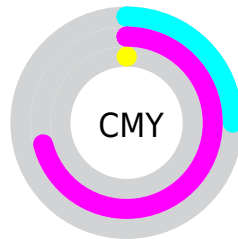
- Red (75%)
- Green (29%)
- Blue (100%)



- Red (75%)
- Yellow (29%)
- Blue (100%)



- Cyan (25%)
- Magenta (71%)
- Yellow (0%)
- Black (0%)





- Cyan (25%)
- Magenta (71%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 101.180, 316.811 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, 101.180, 316.811 by changing the saturation by 10% instead.


 55, 101.180,
316.811


 55, 101.180,
316.811


 100, 101.180,
316.811


 45, 101.180,
316.811


 75, 101.180,
316.811


 35, 101.180,
316.811


 85, 101.180,
316.811

 25, 101.180,
316.811

 95, 101.180,
316.811

 15, 101.180,
316.811

 5, 101.180,
316.811

 0, 101.180,
316.811

55, 101.180,
316.811

55, 101.180,
316.811

51, 110.868,
316.711

60, 89.082,
316.676

48, 117.404,
316.299

66, 75.410,
316.382

46, 120.590,
315.690

72, 60.867,
315.994

78, 45.965,
315.557

85, 31.041,
315.105

92, 16.308,
314.657

99, 1.884, 314.142

100, 0.599,
110.004

Harmonies

Complementary

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



55, 101.180, 316.811



90, 95.432, 131.043

Rectangle

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



55, 101.180, 316.811



55, 101.180, 6.811



55, 101.180, 136.811



55, 101.180, 186.811

Sweetspot

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



55, 101.179, 316.811



86, 30.688, 315.091



58, 67.065, 285.796



44, 20.823, 315.216



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, 101.179, 316.811



50, 114.778, 316.560



63, 91.887, 333.363



49, 8.207, 314.576



34, 97.361, 315.866



8, 44.411, 317.136

Inverse Universe

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



59, 71.991, 4.786



56, 81.152, 10.570



88, 95.154, 141.447



50, 5.811, 353.559



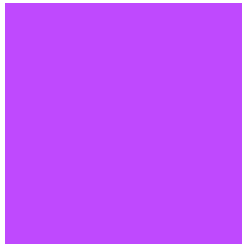
40, 69.276, 16.805



10, 31.313, 9.150

Previews

White Background



This preview shows how the CIELCh color 55, 101.180, 316.811 looks on a white background.

Color Contrast Check

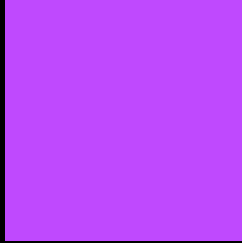
Large Text (above 18pt) WCAG AA ✓ Pass

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, 101.180, 316.811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

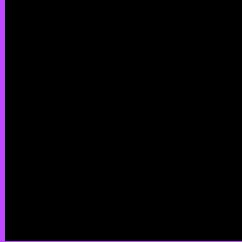
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 101.180, 316.811

Background



This preview shows how black text looks on a background with the CIELCh color 55, 101.180, 316.811.

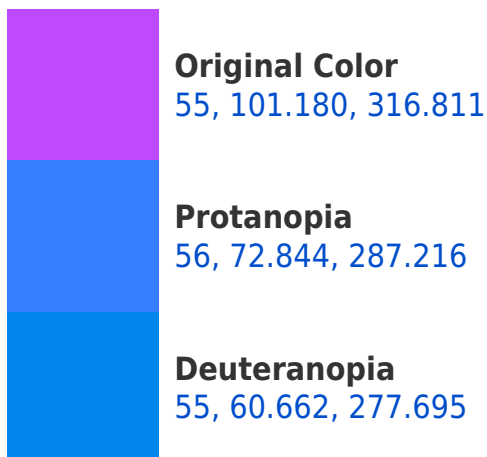


This preview shows how white text looks on a background with the CIELCh color 55, 101.180,

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, 22.412, 8.982

Trichromacy



Original Color
55, 101.180, 316.811



Protanomaly
53, 84.178, 298.688



Deuteranomaly
51, 75.817, 292.338



Tritanomaly
54, 48.355, 329.045

Monochromacy



Original Color
55, 101.180, 316.811



Achromatopsia
54, 0.007, 296.813



Achromatomaly
52, 40.408, 315.602

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 101.180, 316.811 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(191, 73, 254)` looks like.

```
.text, #text, p{  
    color:rgb(191, 73, 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(191, 73, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 73, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 101.180, 316.811 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(191, 73, 254) }
```

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

```
.border{ border-color:rgb(191, 73, 254) }
```

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

Here you see how a box with a 4 pixel rgb(191, 73, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 73, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 73, 254);  
box-shadow:4px 4px 4px 4px rgb(191, 73,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 101.180, 316.811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 73, 254) }
```

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

```
.background{ background-color: rgb(191, 73,  
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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