

Converting Colors

CIELCh(55, 93.825, 312.311)

Have a look what the booklet for
CIELCh(55, 93.825, 312.311)
contains.

CIELCh(55, 93.761, 312.222)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(55, 93.761, 312.222)

Conversions

Conversions Part 1

Format	Color
Hex	AB59FE
RGB	171, 89, 254
RGB Percent	67%, 35%, 100%
CMY	0.3297, 0.6513, 0.0043
CMYK	0.33, 0.65, 0.00, 0.00
HSL	270°, 99%, 67%
HSV	270°, 65%, 100%
XYZ	38.2170, 22.9298, 96.1044
YIQ	132.3280, -4.0930, 68.6990

Conversions

Conversions Part 2

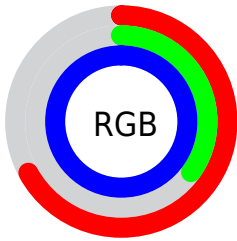
Format	Color
R _Y B	171, 89, 254
Decimal	11229694
CIE Lab	55.00, 63.01, -69.43
CIE LCh	55, 93.761, 312.222
Yxy	22.9298, 0.2430, 0.1458
Android (android.graphics.Color)	4289419774 (0xFFAB59FE)
YUV	132.3280, 59.9843, 33.9153
Hunter-Lab	47.8851, 58.6616, -85.4742

Details

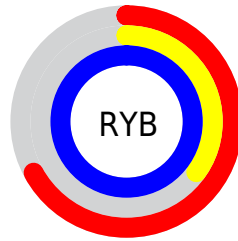
The CIELCh color **55, 93.761, 312.222** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **92, 84.794, 126.223**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 66.309, 320.285**, and **35, 93.838, 312.241** is the 20% darker color. If you saturate the color by 10%, you get **50, 106.217, 312.469**, and if you desaturate by 10%, it is **61, 79.792, 311.794**.

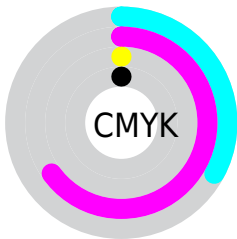
Distribution



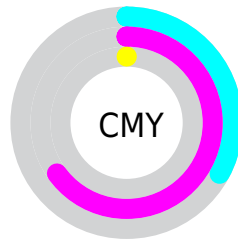
- Red (67%)
- Green (35%)
- Blue (100%)



- Red (67%)
- Yellow (35%)
- Blue (100%)



- Cyan (33%)
- Magenta (65%)
- Yellow (0%)
- Black (0%)





- Cyan (33%)
- Magenta (65%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 93.761, 312.222 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, 93.761, 312.222 by changing the saturation by 10% instead.


 55, 93.761,
312.222


 55, 93.761,
312.222


 100, 93.761,
312.222


 45, 93.761,
312.222


 75, 93.761,
312.222

 35, 93.761,
312.222

 85, 93.761,
312.222

 25, 93.761,
312.222

 95, 93.761,
312.222

 15, 93.761,
312.222

 5, 93.761, 312.222

 0, 93.761, 312.222

■ 55, 93.761,
312.222

■ 55, 93.761,
312.222

■ 50, 106.217,
312.469

■ 61, 79.792,
311.794

■ 45, 116.146,
312.420

■ 68, 65.104,
311.272

■ 42, 122.598,
311.959

■ 75, 50.219,
310.719

■ 41, 124.726,
311.608

■ 82, 35.450,
310.173

■ 89, 20.973,
309.653

■ 96, 6.876, 309.163

■ 100, 0.540,
109.994

Harmonies

Complementary

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



55, 93.761, 312.222



92, 84.794, 126.223

Rectangle

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



55, 93.761, 312.222



55, 93.761, 2.222



55, 93.761, 132.222



55, 93.761, 182.222

Sweetspot

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



55, 93.760, 312.222



86, 26.844, 309.858



69, 47.153, 268.059



44, 18.547, 310.007



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, 93.760, 312.222



48, 109.906, 312.491



66, 95.498, 327.110



49, 7.926, 309.383



30, 100.598, 311.801



6, 44.903, 312.794

Inverse Universe

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



63, 70.311, 351.571



59, 79.190, 354.703



89, 96.719, 138.331



50, 6.396, 344.244



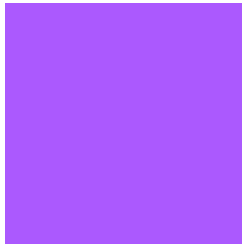
41, 68.280, 1.825



10, 31.898, 356.273

Previews

White Background



This preview shows how the CIELCh color 55, 93.761, 312.222 looks on a white background.

Color Contrast Check

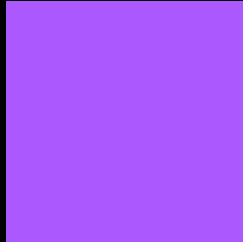
Large Text (above 18pt) WCAG AA ✓ Pass

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, 93.761, 312.222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

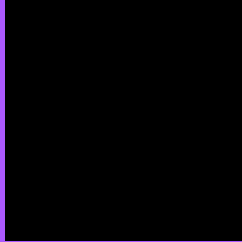
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 93.761, 312.222

Background



This preview shows how black text looks on a background with the CIELCh color 55, 93.761, 312.222.



This preview shows how white text looks on a background with the CIELCh color 55, 93.761, 312.222.

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, 93.761, 312.222

Protanopia

55, 73.438, 287.578

Deuteranopia

55, 60.155, 277.389



Tritanopia
55, 10.823, 348.673

Trichromacy



Original Color
55, 93.761, 312.222



Protanomaly
54, 81.219, 296.542



Deuteranomaly
52, 72.253, 289.600



Tritanomaly
54, 41.000, 316.246

Monochromacy



Original Color
55, 93.761, 312.222



Achromatopsia
55, 0.007, 296.813



Achromatomaly
54, 36.291, 310.727

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 93.761, 312.222 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(171, 89, 254)` looks like.

```
.text, #text, p{  
    color:rgb(171, 89, 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(171, 89, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 89, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 93.761, 312.222 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(171, 89, 254) }
```

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

```
.border{ border-color:rgb(171, 89, 254) }
```

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

Here you see how a box with a 4 pixel rgb(171, 89, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 89, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 89, 254);  
box-shadow:4px 4px 4px 4px rgb(171, 89,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 93.761, 312.222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 89, 254) }
```

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

```
.background{ background-color: rgb(171, 89,  
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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