

Converting Colors

CIELCh(62, 133.816, 306.285)

Have a look what the booklet for
CIELCh(62, 133.816, 306.285)
contains.

CIELCh(55, 89.451, 308.547)	3
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Color

CIELCh(55, 89.451, 308.547)

Conversions

Conversions Part 1

Format	Color
Hex	9C62FF
RGB	156, 98, 255
RGB Percent	61%, 38%, 100%
CMY	0.3893, 0.6167, 0.0011
CMYK	0.39, 0.62, 0.00, 0.00
HSL	262°, 100%, 69%
HSV	262°, 62%, 100%
XYZ	36.0039, 22.9298, 96.8955
YIQ	133.2400, -15.8290, 61.1230

Conversions

Conversions Part 2

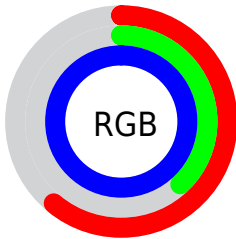
Format	Color
R _Y B	156, 98, 255
Decimal	10248959
CIE Lab	55.00, 55.74, -69.96
CIE LCh	55, 89.451, 308.547
Yxy	22.9298, 0.2310, 0.1471
Android (android.graphics.Color)	4288439039 (0xFF9C62FF)
YUV	133.2400, 60.0277, 19.9605
Hunter-Lab	47.8851, 50.4117, -86.4537

Details

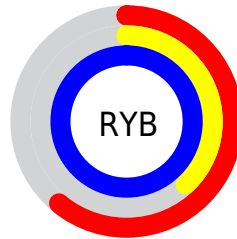
The CIELCh color **55, 89.451, 308.547** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **93, 78.618, 121.433**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 59.982, 314.813**, and **35, 89.528, 308.653** is the 20% darker color. If you saturate the color by 10%, you get **49, 103.377, 309.171**, and if you desaturate by 10%, it is **62, 74.609, 307.809**.

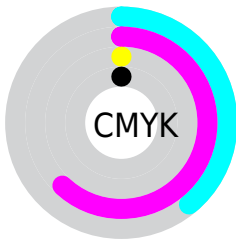
Distribution



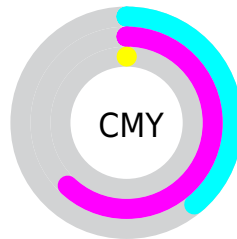
- Red (61%)
- Green (38%)
- Blue (100%)



- Red (61%)
- Yellow (38%)
- Blue (100%)



- Cyan (39%)
- Magenta (62%)
- Yellow (0%)
- Black (0%)





- Cyan (39%)
- Magenta (62%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 89.451, 308.547 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, 89.451, 308.547 by changing the saturation by 10% instead.


 55, 89.451,
308.547

 55, 89.451,
308.547

 100, 89.451,
308.547

 45, 89.451,
308.547


 75, 89.451,
308.547

 35, 89.451,
308.547

 85, 89.451,
308.547

 25, 89.451,
308.547

 95, 89.451,
308.547

 15, 89.451,
308.547

 5, 89.451, 308.547

 0, 89.451, 308.547

55, 89.451,
308.547

55, 89.451,
308.547

49, 103.377,
309.171

62, 74.609,
307.809

43, 115.330,
309.545

69, 59.534,
307.045

39, 124.004,
309.509

76, 44.608,
306.307

37, 128.416,
309.142

84, 30.026,
305.624

91, 15.876,
305.005

99, 2.189, 304.422

100, 0.133,
109.586

Harmonies

Complementary

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



55, 89.451, 308.547



93, 78.618, 121.433

Rectangle

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



55, 89.451, 308.547



55, 89.451, 358.547



55, 89.451, 128.547



55, 89.451, 178.547

Sweetspot

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



55, 89.450, 308.547



87, 24.869, 305.392



76, 39.016, 251.458



44, 17.364, 305.577



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, 89.450, 308.547



47, 106.539, 309.288



64, 90.955, 323.340



49, 7.746, 304.881



27, 103.302, 309.317



5, 44.863, 309.403

Inverse Universe

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



65, 72.428, 343.110



61, 81.879, 344.998



90, 90.361, 136.547



50, 6.987, 337.898



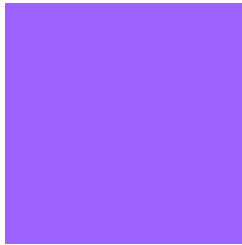
42, 71.397, 350.380



11, 33.667, 346.823

Previews

White Background



This preview shows how the CIELCh color 55, 89.451, 308.547 looks on a white background.

Color Contrast Check

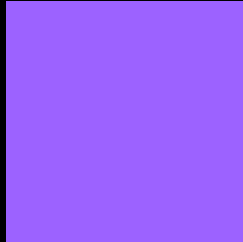
Large Text (above 18pt) WCAG AA ✓ Pass

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, 89.451, 308.547 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

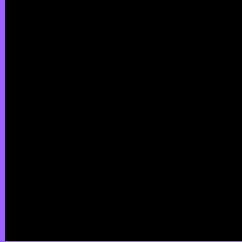
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 89.451, 308.547

Background



This preview shows how black text looks on a background with the CIELCh color 55, 89.451, 308.547.

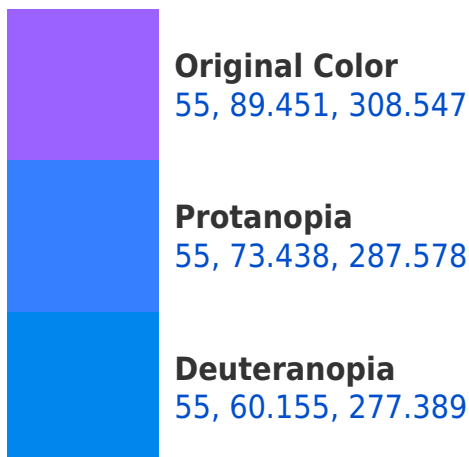



This preview shows how white text looks on a background with the CIELCh color 55, 89.451, 308.547.

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, 6.349, 294.406

Trichromacy



Original Color
55, 89.451, 308.547



Protanomaly
54, 79.473, 294.969



Deuteranomaly
53, 70.527, 288.016



Tritanomaly
54, 37.812, 305.673

Monochromacy



Original Color
55, 89.451, 308.547



Achromatopsia
56, 0.007, 296.813



Achromatomaly
54, 33.786, 306.267

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 89.451, 308.547 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(156, 98, 255)` looks like.

```
.text, #text, p{  
    color:rgb(156, 98, 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(156, 98, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 98, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 89.451, 308.547 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(156, 98, 255) }
```

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

```
.border{ border-color:rgb(156, 98, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 98, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 98, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 98, 255);  
box-shadow:4px 4px 4px 4px rgb(156, 98,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 89.451, 308.547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 98, 255) }
```

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

```
.background{ background-color: rgb(156, 98,  
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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