

Converting Colors

CIELCh(56, 97.730, 306.997)

Have a look what the booklet for
CIELCh(56, 97.730, 306.997)
contains.

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Color

CIELCh(55, 88.919, 307.561)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 9864FF |
| RGB | 152, 100, 255 |
| RGB Percent | 60%, 39%, 100% |
| CMY | 0.4053, 0.6096, 0.0000 |
| CMYK | 0.41, 0.61, 0.00, 0.00 |
| HSL | 260°, 100%, 70% |
| HSV | 260°, 61%, 100% |
| XYZ | 35.5471, 22.9298, 97.6942 |
| YIQ | 133.2180, -18.7630, 59.2290 |

Conversions

Conversions Part 2

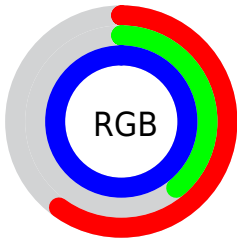
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 152, 100, 255 |
| Decimal | 9987327 |
| CIE Lab | 55.00, 54.21, -70.49 |
| CIE LCh | 55, 88.919, 307.561 |
| Yxy | 22.9298, 0.2276, 0.1468 |
| Android (android.graphics.Color) | 4288177407 (0xFF9864FF) |
| YUV | 133.2180, 60.0385, 16.4718 |
| Hunter-Lab | 47.8851, 48.7090, -87.4426 |

Details

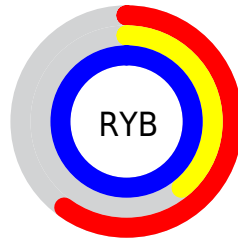
The CIELCh color **55, 88.919, 307.561** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **94, 77.346, 120.042**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 58.424, 313.289**, and **35, 88.314, 307.555** is the 20% darker color. If you saturate the color by 10%, you get **49, 102.829, 308.327**, and if you desaturate by 10%, it is **62, 73.580, 306.755**.

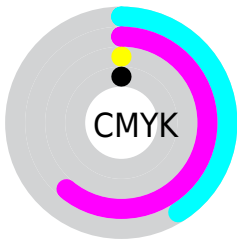
Distribution



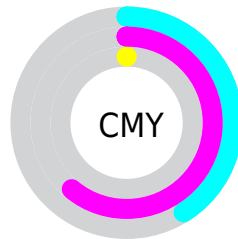
- Red (60%)
- Green (39%)
- Blue (100%)



- Red (60%)
- Yellow (39%)
- Blue (100%)



- Cyan (41%)
- Magenta (61%)
- Yellow (0%)
- Black (0%)





- Cyan (41%)
- Magenta (61%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 88.919, 307.561 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, 88.919, 307.561 by changing the saturation by 10% instead.


 55, 88.919,
307.561


 55, 88.919,
307.561


 100, 88.919,
307.561


 45, 88.919,
307.561


 75, 88.919,
307.561

 35, 88.919,
307.561

 85, 88.919,
307.561

 25, 88.919,
307.561

 95, 88.919,
307.561

 15, 88.919,
307.561

 5, 88.919, 307.561

 0, 88.919, 307.561

55, 88.919,
307.561

55, 88.919,
307.561

49, 102.829,
308.327

62, 73.580,
306.755

43, 115.218,
308.832

69, 58.433,
305.914

39, 124.383,
308.929

77, 43.505,
305.118

36, 129.360,
308.622

84, 28.967,
304.388

92, 14.889,
303.734

99, 1.291, 303.108

100, 0.012,
296.813

Harmonies

Complementary

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



55, 88.919, 307.561



94, 77.346, 120.042

Rectangle

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



55, 88.919, 307.561



55, 88.919, 357.561



55, 88.919, 127.561



55, 88.919, 177.561

Sweetspot

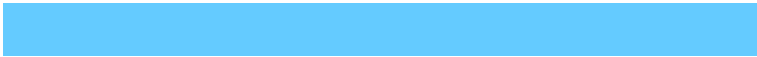
The Sweet Spot groups the original color and five complimentary colors.



55, 88.596, 307.589



86, 24.752, 304.187



78, 37.612, 246.206



44, 17.285, 304.385



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, 88.596, 307.589



47, 105.549, 308.455



64, 89.975, 322.281



49, 7.705, 303.645



26, 103.974, 308.788



5, 44.813, 308.549

Inverse Universe

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



65, 73.394, 341.163



61, 82.901, 342.778



90, 88.828, 135.888



50, 7.159, 336.383



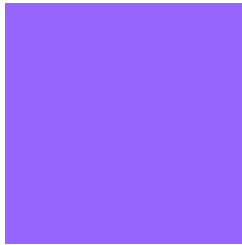
42, 72.745, 347.615



11, 34.303, 344.554

Previews

White Background



This preview shows how the CIELCh color 55, 88.919, 307.561 looks on a white background.

Color Contrast Check

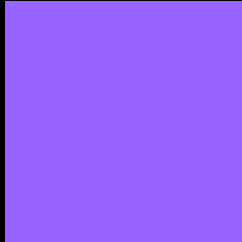
Large Text (above 18pt) WCAG AA ✓ Pass

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, 88.919, 307.561 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

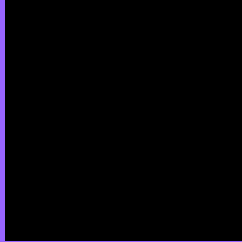
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 88.919, 307.561

Background



This preview shows how black text looks on a background with the CIELCh color 55, 88.919, 307.561.

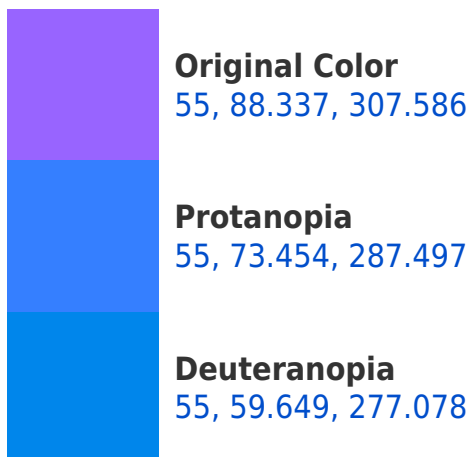


This preview shows how white text looks on a background with the CIELCh color 55, 88.919, 307.561.

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, 6.134, 269.150

Trichromacy



Original Color
55, 88.337, 307.586



Protanomaly
54, 78.893, 294.438



Deuteranomaly
53, 70.022, 287.654



Tritanomaly
54, 36.819, 302.151

Monochromacy



Original Color
55, 88.337, 307.586



Achromatopsia
56, 0.007, 296.813



Achromatomaly
54, 33.060, 305.256

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 88.919, 307.561 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(152, 100, 255)` looks like.

```
.text, #text, p{  
    color:rgb(152, 100, 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(152, 100, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 100, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 88.919, 307.561 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(152, 100, 255) }
```

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

```
.border{ border-color:rgb(152, 100, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 100, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 100, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 100, 255);  
box-shadow:4px 4px 4px 4px rgb(152, 100,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 88.919, 307.561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 100, 255) }
```

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

```
.background{ background-color: rgb(152,  
100, 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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