

Converting Colors

CIELCh(55, 88.827, 307.535)

Have a look what the booklet for
CIELCh(55, 88.827, 307.535)
contains.

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Color

CIELCh(55, 88.337, 307.586)

Conversions

Conversions Part 1

Format	Color
Hex	9864FF
RGB	152, 100, 255
RGB Percent	60%, 39%, 100%
CMY	0.4049, 0.6087, 0.0010
CMYK	0.40, 0.61, 0.00, 0.00
HSL	260°, 100%, 70%
HSV	260°, 61%, 100%
XYZ	35.4512, 22.9298, 96.9594
YIQ	133.2180, -18.7630, 59.2290

Conversions

Conversions Part 2

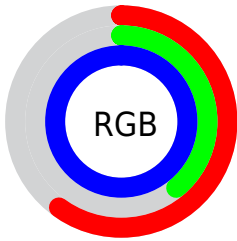
Format	Color
RYB	152, 100, 255
Decimal	9987327
CIELab	55.00, 53.88, -70.00
CIELCh	55, 88.337, 307.586
Yxy	22.9298, 0.2282, 0.1476
Android (android.graphics.Color)	4288177407 (0xFF9864FF)
YUV	133.2180, 60.0385, 16.4718
Hunter-Lab	47.8851, 48.3515, -86.5328

Details

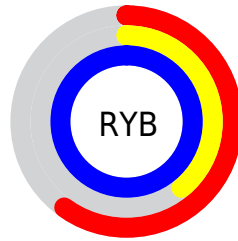
The CIELCh color **55, 88.337, 307.586** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **94, 77.154, 120.058**, and the grayscale version is **55, 0.007, 296.813**.

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, 102.573, 308.326**, and if you desaturate by 10%, it is **62, 73.328, 306.753**.

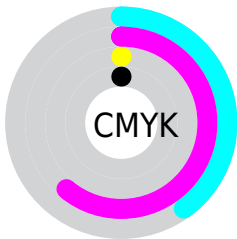
Distribution



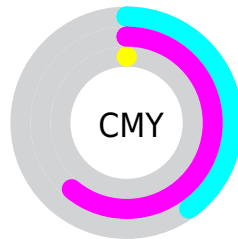
- Red (60%)
- Green (39%)
- Blue (100%)



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



- Cyan (40%)
- Magenta (61%)
- Yellow (0%)
- Black (0%)





- Cyan (40%)
- Magenta (61%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 88.337, 307.586 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, 88.337, 307.586 by changing the saturation by 10% instead.


 55, 88.337,
307.586


 55, 88.337,
307.586


 100, 88.337,
307.586

 45, 88.337,
307.586


 75, 88.337,
307.586

 35, 88.337,
307.586

 85, 88.337,
307.586

 25, 88.337,
307.586

 95, 88.337,
307.586

 15, 88.337,
307.586

 5, 88.337, 307.586

 0, 88.337, 307.586

55, 88.337,
307.586

55, 88.337,
307.586

49, 102.573,
308.326

62, 73.328,
306.753

43, 114.983,
308.834

69, 58.194,
305.914

39, 124.191,
308.936

77, 43.283,
305.118

36, 129.258,
308.627

84, 28.761,
304.391

92, 14.700,
303.738

99, 1.118, 303.103

100, 0.112,
109.479

Harmonies

Complementary

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



55, 88.337, 307.586



94, 77.154, 120.058

Rectangle

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



55, 88.337, 307.586



55, 88.337, 357.586



55, 88.337, 127.586



55, 88.337, 177.586

Sweetspot

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



55, 88.336, 307.587



86, 24.753, 304.198



78, 37.524, 246.165



44, 17.286, 304.396



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, 88.336, 307.587



47, 105.547, 308.462



64, 89.749, 322.278



49, 7.706, 303.657



26, 103.968, 308.792



5, 44.814, 308.557

Inverse Universe

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



65, 73.204, 341.163



61, 82.886, 342.796



90, 88.602, 135.897



50, 7.157, 336.397



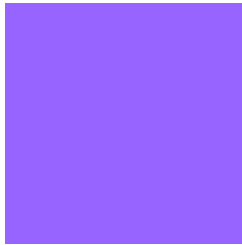
42, 72.732, 347.640



11, 34.297, 344.574

Previews

White Background



This preview shows how the CIELCh color 55, 88.337, 307.586 looks on a white background.

Color Contrast Check

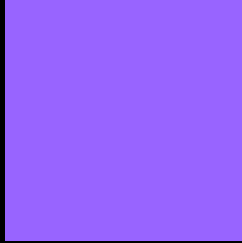
Large Text (above 18pt) WCAG AA ✓ Pass

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, 88.337, 307.586 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

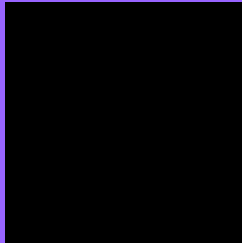
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 88.337, 307.586

Background



This preview shows how black text looks on a background with the CIELCh color 55, 88.337, 307.586.



This preview shows how white text looks on a background with the CIELCh color 55, 88.337, 307.586.

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, 88.337, 307.586

Protanopia
55, 73.438, 287.578

Deuteranopia
55, 59.649, 277.078



Tritanopia
55, 6.134, 269.150

Trichromacy



Original Color
55, 88.337, 307.586



Protanomaly
54, 78.875, 294.564



Deuteranomaly
53, 69.424, 287.272



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, 88.337, 307.586 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, 88.337, 307.586 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, 88.337, 307.586 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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