

Converting Colors

CIELCh(62, 131.109, 305.935)

Have a look what the booklet for
CIELCh(62, 131.109, 305.935)
contains.

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Color

CIELCh(55, 87.750, 307.784)

Conversions

Conversions Part 1

Format	Color
Hex	9964FE
RGB	153, 100, 254
RGB Percent	60%, 39%, 100%
CMY	0.4016, 0.6088, 0.0055
CMYK	0.40, 0.61, 0.00, 0.01
HSL	261°, 98%, 69%
HSV	261°, 61%, 99%
XYZ	35.4163, 22.9298, 95.9793
YIQ	133.4030, -17.8460, 59.1300

Conversions

Conversions Part 2

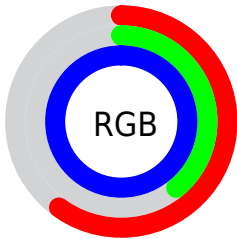
Format	Color
R _Y B	153, 100, 254
Decimal	10052862
CIE Lab	55.00, 53.76, -69.35
CIE LCh	55, 87.750, 307.784
Yxy	22.9298, 0.2295, 0.1486
Android (android.graphics.Color)	4288242942 (0xFF9964FE)
YUV	133.4030, 59.4543, 17.1866
Hunter-Lab	47.8851, 48.2215, -85.3193

Details

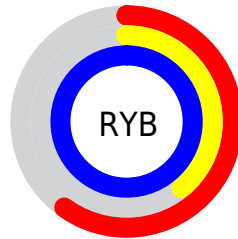
The CIELCh color **55, 87.750, 307.784** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **93, 76.828, 120.396**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 58.503, 313.602**, and **35, 87.700, 307.873** is the 20% darker color. If you saturate the color by 10%, you get **49, 101.909, 308.502**, and if you desaturate by 10%, it is **62, 72.819, 306.972**.

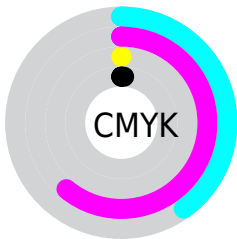
Distribution



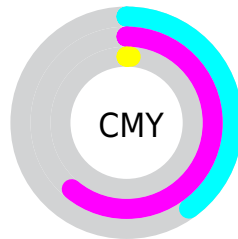
- Red (60%)
- Green (39%)
- Blue (100%)



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



- Cyan (40%)
- Magenta (61%)
- Yellow (0%)
- Black (1%)





- Cyan (40%)
- Magenta (61%)
- Yellow (1%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 87.750, 307.784 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, 87.750, 307.784 by changing the saturation by 10% instead.


 55, 87.750,
307.784


 55, 87.750,
307.784

 100, 87.750,
307.784


 45, 87.750,
307.784


 75, 87.750,
307.784

 35, 87.750,
307.784

 85, 87.750,
307.784

 25, 87.750,
307.784

 95, 87.750,
307.784

 15, 87.750,
307.784

 5, 87.750, 307.784

 0, 87.750, 307.784

■ 55, 87.750,
307.784

■ 55, 87.750,
307.784

■ 49, 101.909,
308.502

■ 62, 72.819,
306.972

■ 43, 114.261,
308.989

■ 69, 57.757,
306.152

■ 39, 123.456,
309.075

■ 77, 42.907,
305.373

■ 36, 128.614,
308.746

■ 84, 28.441,
304.659

■ 92, 14.428,
304.017

■ 99, 0.888, 303.372

■ 100, 0.705,
110.015

Harmonies

Complementary

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



55, 87.750, 307.784



93, 76.828, 120.396

Rectangle

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



55, 87.750, 307.784



55, 87.750, 357.784



55, 87.750, 127.784



55, 87.750, 177.784

Sweetspot

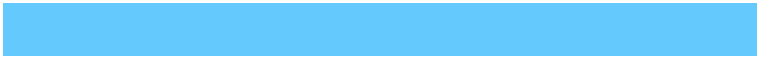
The Sweet Spot groups the original color and five complimentary colors.



55, 87.749, 307.785



86, 24.779, 304.481



77, 37.308, 246.108



44, 17.304, 304.676



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, 87.749, 307.785



48, 105.479, 308.643



64, 89.211, 322.274



49, 7.715, 303.948



27, 103.813, 308.912



5, 44.826, 308.754

Inverse Universe

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



65, 72.420, 341.567



61, 82.491, 343.268



90, 88.066, 135.910



50, 7.116, 336.746



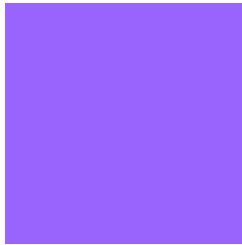
42, 72.399, 348.275



11, 34.142, 345.096

Previews

White Background



This preview shows how the CIELCh color 55, 87.750, 307.784 looks on a white background.

Color Contrast Check

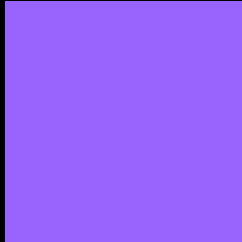
Large Text (above 18pt) WCAG AA ✓ Pass

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, 87.750, 307.784 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

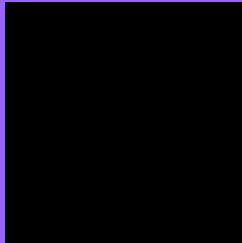
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 87.750, 307.784

Background



This preview shows how black text looks on a background with the CIELCh color 55, 87.750, 307.784.

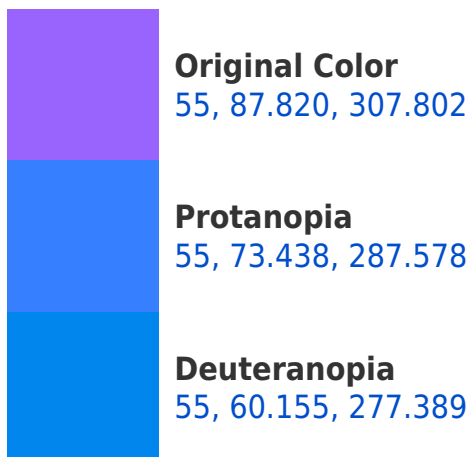


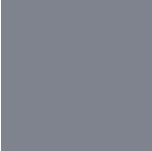
This preview shows how white text looks on a background with the CIELCh color 55, 87.750, 307.784.

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, 6.476, 277.412

Trichromacy



Original Color
55, 87.820, 307.802



Protanomaly
54, 78.334, 294.476



Deuteranomaly
53, 69.424, 287.272



Tritanomaly
54, 36.860, 302.670

Monochromacy



Original Color
55, 87.820, 307.802



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, 87.750, 307.784 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(153, 100, 254)` looks like.

```
.text, #text, p{  
    color:rgb(153, 100, 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(153, 100, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 100, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 87.750, 307.784 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(153, 100, 254) }
```

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

```
.border{ border-color:rgb(153, 100, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 100, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 100, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 100, 254);  
box-shadow:4px 4px 4px 4px rgb(153, 100,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 87.750, 307.784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 100, 254) }
```

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

```
.background{ background-color: rgb(153,  
100, 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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