

Converting Colors

CIELCh(56, 84.848, 308.012)

Have a look what the booklet for
CIELCh(56, 84.848, 308.012)
contains.

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Color

CIELCh(56, 85.055, 307.995)

Conversions

Conversions Part 1

Format	Color
Hex	9C67FC
RGB	156, 103, 252
RGB Percent	61%, 40%, 99%
CMY	0.3869, 0.5949, 0.0104
CMYK	0.38, 0.59, 0.00, 0.01
HSL	261°, 97%, 70%
HSV	261°, 59%, 99%
XYZ	36.2815, 23.9124, 95.0839
YIQ	135.8330, -16.2410, 57.5750

Conversions

Conversions Part 2

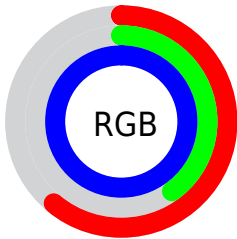
Format	Color
R _Y B	156, 103, 252
Decimal	10250236
CIE Lab	56.00, 52.36, -67.03
CIE LCh	56, 85.055, 307.995
Yxy	23.9124, 0.2337, 0.1540
Android (android.graphics.Color)	4288440316 (0xFF9C67FC)
YUV	135.8330, 57.2703, 17.6865
Hunter-Lab	48.9003, 46.8623, -81.0559

Details

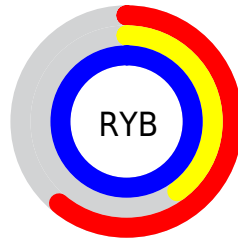
The CIELCh color **56, 85.055, 307.995** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **93, 75.011, 120.949**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 56.893, 314.106**, and **36, 84.979, 307.985** is the 20% darker color. If you saturate the color by 10%, you get **50, 99.271, 308.698**, and if you desaturate by 10%, it is **63, 70.170, 307.210**.

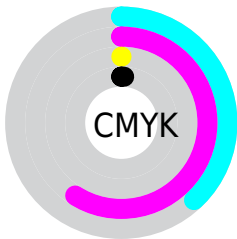
Distribution



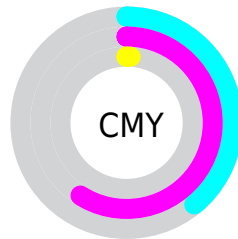
- Red (61%)
- Green (40%)
- Blue (99%)



- Red (61%)
- Yellow (40%)
- Blue (99%)



- Cyan (38%)
- Magenta (59%)
- Yellow (0%)
- Black (1%)





- Cyan (39%)
- Magenta (59%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 85.055, 307.995 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 56, 85.055, 307.995 by changing the saturation by 10% instead.


 56, 85.055,
307.995


 56, 85.055,
307.995


 100, 85.055,
307.995


 46, 85.055,
307.995


 76, 85.055,
307.995

 36, 85.055,
307.995

 86, 85.055,
307.995

 26, 85.055,
307.995

 96, 85.055,
307.995

 16, 85.055,
307.995

 6, 85.055, 307.995

 0, 85.055, 307.995

56, 85.055,
307.995

56, 85.055,
307.995

50, 99.271,
308.698

63, 70.170,
307.210

44, 111.862,
309.194

70, 55.201,
306.421

40, 121.533,
309.319

77, 40.463,
305.673

37, 127.372,
308.972

85, 26.111,
304.988

36, 127.831,
308.936

92, 12.208,
304.372

100, 1.228,
123.903

100, 1.336,
110.020

Harmonies

Complementary

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



56, 85.055, 307.995



93, 75.011, 120.949

Rectangle

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



56, 85.055, 307.995



56, 85.055, 357.995



56, 85.055, 127.995



56, 85.055, 177.995

Sweetspot

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



56, 85.054, 307.995



86, 24.822, 304.920



77, 36.892, 248.148



44, 17.332, 305.110



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



56, 85.054, 307.995



49, 102.738, 308.817



65, 87.032, 322.757



48, 7.602, 304.397



26, 102.527, 309.112



5, 42.982, 308.674

Inverse Universe

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



65, 70.104, 342.034



62, 80.572, 343.697



90, 86.136, 136.390



49, 6.938, 337.293



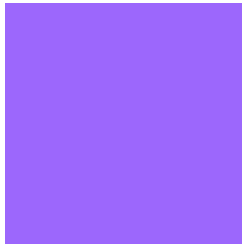
41, 71.200, 349.251



10, 33.065, 345.742

Previews

White Background



This preview shows how the CIELCh color 56, 85.055, 307.995 looks on a white background.

Color Contrast Check

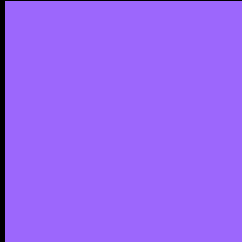
Large Text (above 18pt) WCAG AA ✓ Pass

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 56, 85.055, 307.995 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

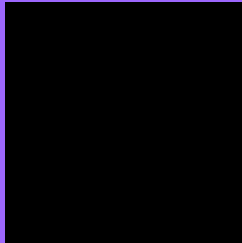
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 85.055, 307.995

Background



This preview shows how black text looks on a background with the CIELCh color 56, 85.055, 307.995.

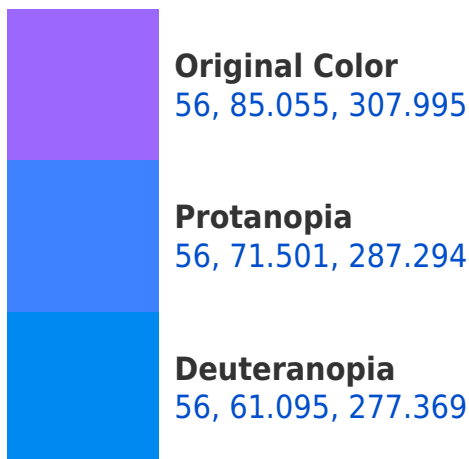



This preview shows how white text looks on a background with the CIELCh color 56, 85.055, 307.995.

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
56, 6.306, 290.936

Trichromacy



Original Color
56, 85.055, 307.995

Protanomaly
55, 76.367, 294.562

Deuteranomaly
54, 69.216, 286.846

Tritanomaly
55, 35.793, 304.469

Monochromacy



Original Color
56, 85.055, 307.995

Achromatopsia
57, 0.007, 296.813

Achromatomaly
56, 31.826, 305.583

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 85.055, 307.995 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, 103, 252)` looks like.

```
.text, #text, p{  
    color:rgb(156, 103, 252)  
}
```

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, 103, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 103, 252) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 85.055, 307.995 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, 103, 252) }
```

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

```
.border{ border-color:rgb(156, 103, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 103, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 103, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 103, 252);  
box-shadow:4px 4px 4px 4px rgb(156, 103,  
252) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 85.055, 307.995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 103, 252) }
```

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

```
.background{ background-color: rgb(156,  
103, 252) }
```

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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