

Converting Colors

CIELCh(56, 86.388, 308.779)

Have a look what the booklet for
CIELCh(56, 86.388, 308.779)
contains.

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Color

CIELCh(56, 86.143, 308.632)

Conversions

Conversions Part 1

Format	Color
Hex	9F66FD
RGB	159, 102, 253
RGB Percent	62%, 40%, 99%
CMY	0.3771, 0.6005, 0.0085
CMYK	0.37, 0.60, 0.00, 0.01
HSL	263°, 97%, 70%
HSV	263°, 60%, 99%
XYZ	36.7097, 23.9124, 95.4779
YIQ	136.2570, -14.4990, 59.0450

Conversions

Conversions Part 2

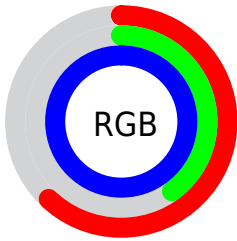
Format	Color
RYB	159, 102, 253
Decimal	10446589
CIELab	56.00, 53.78, -67.29
CIELCh	56, 86.143, 308.632
Yxy	23.9124, 0.2352, 0.1532
Android (android.graphics.Color)	4288636669 (0xFF9F66FD)
YUV	136.2570, 57.5543, 19.9456
Hunter-Lab	48.9003, 48.4252, -81.5335

Details

The CIELCh color **56, 86.143, 308.632** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **93, 76.234, 121.804**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 57.773, 315.209**, and **36, 85.875, 308.553** is the 20% darker color. If you saturate the color by 10%, you get **50, 100.185, 309.264**, and if you desaturate by 10%, it is **63, 71.331, 307.904**.

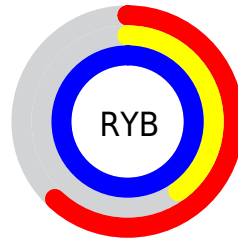
Distribution



Red (62%)

Green (40%)

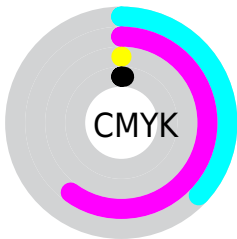
Blue (99%)



Red (62%)

Yellow (40%)

Blue (99%)

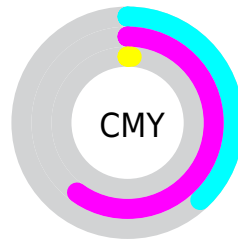


Cyan (37%)

Magenta (60%)

Yellow (0%)

Black (1%)



Cyan (38%)


Magenta (60%)


Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 86.143, 308.632 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, 86.143, 308.632 by changing the saturation by 10% instead.


 56, 86.143,
308.632


 56, 86.143,
308.632


 100, 86.143,
308.632


 46, 86.143,
308.632


 76, 86.143,
308.632

 36, 86.143,
308.632

 86, 86.143,
308.632

 26, 86.143,
308.632

 96, 86.143,
308.632

 16, 86.143,
308.632

 6, 86.143, 308.632

 0, 86.143, 308.632

56, 86.143,
308.632

56, 86.143,
308.632

50, 100.185,
309.264

63, 71.331,
307.904

44, 112.485,
309.675

70, 56.364,
307.158

40, 121.779,
309.707

77, 41.582,
306.444

37, 127.352,
309.290

85, 27.156,
305.783

37, 127.491,
309.278

92, 13.163,
305.185

99, 0.371, 124.909

100, 1.082,
110.026

Harmonies

Complementary

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



56, 86.143, 308.632



93, 76.234, 121.804

Rectangle

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



56, 86.143, 308.632



56, 86.143, 358.632



56, 86.143, 128.632



56, 86.143, 178.632

Sweetspot

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



56, 86.142, 308.632



87, 24.898, 305.677



76, 37.826, 250.829



44, 17.383, 305.859



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, 86.142, 308.632



49, 103.903, 309.384



65, 88.118, 323.294



49, 7.756, 305.173



27, 103.138, 309.451



5, 44.873, 309.609

Inverse Universe

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



65, 69.922, 343.301



61, 80.250, 345.160



90, 87.478, 136.697



50, 6.947, 338.268



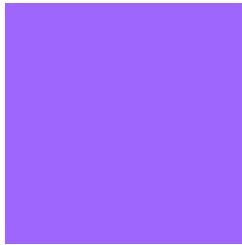
42, 71.106, 351.057



11, 33.525, 347.379

Previews

White Background



This preview shows how the CIELCh color 56, 86.143, 308.632 looks on a white background.

Color Contrast Check

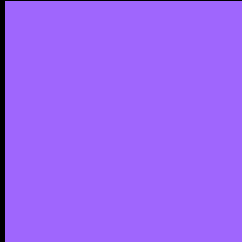
Large Text (above 18pt) WCAG AA ✓ Pass

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, 86.143, 308.632 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

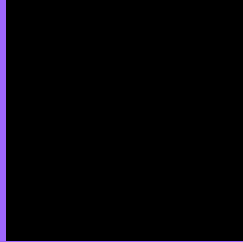
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 86.143, 308.632

Background



This preview shows how black text looks on a background with the CIELCh color 56, 86.143, 308.632.

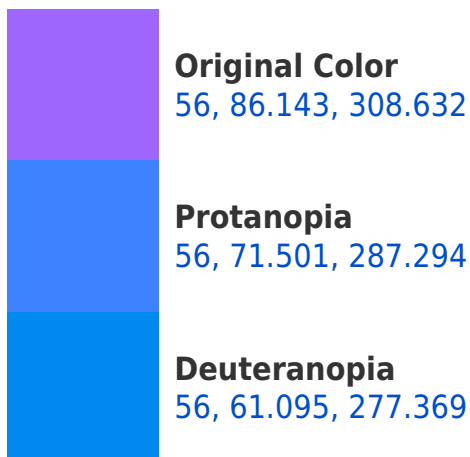


This preview shows how white text looks on a background with the CIELCh color 56, 86.143, 308.632.

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, 6.433, 301.227

Trichromacy



Original Color
56, 86.143, 308.632



Protanomaly
55, 76.350, 294.704



Deuteranomaly
54, 69.792, 287.327



Tritanomaly
55, 36.627, 306.475

Monochromacy



Original Color
56, 86.143, 308.632



Achromatopsia
57, 0.007, 296.813



Achromatomaly
56, 31.893, 306.204

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 86.143, 308.632 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(159, 102, 253)` looks like.

```
.text, #text, p{  
    color:rgb(159, 102, 253)  
}
```

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(159, 102, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 102, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 86.143, 308.632 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(159, 102, 253) }
```

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

```
.border{ border-color:rgb(159, 102, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 102, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 102, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 102, 253);  
box-shadow:4px 4px 4px 4px rgb(159, 102,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 86.143, 308.632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 102, 253) }
```

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

```
.background{ background-color: rgb(159,  
102, 253) }
```

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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