

Converting Colors

CIELCh(53, 108.685, 306.380)

Have a look what the booklet for
CIELCh(53, 108.685, 306.380)
contains.

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Color

CIELCh(51, 95.929, 306.916)

Conversions

Conversions Part 1

Format	Color
Hex	8857FF
RGB	136, 87, 255
RGB Percent	53%, 34%, 100%
CMY	0.4667, 0.6588, 0.0000
CMYK	0.47, 0.66, 0.00, 0.00
HSL	258°, 100%, 67%
HSV	258°, 66%, 100%
XYZ	31.6088, 19.2686, 96.6553
YIQ	120.8030, -24.7240, 62.6360

Conversions

Conversions Part 2

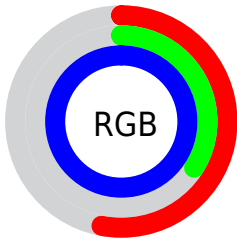
Format	Color
R _Y B	136, 87, 255
Decimal	8935423
CIE Lab	51.00, 57.62, -76.70
CIE LCh	51, 95.929, 306.916
Yxy	19.2686, 0.2142, 0.1306
Android (android.graphics.Color)	4287125503 (0xFF8857FF)
YUV	120.8030, 66.1591, 13.3278
Hunter-Lab	43.8960, 51.7169, -99.8243

Details

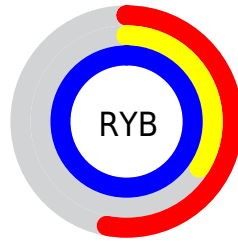
The CIELCh color **51, 95.929, 306.916** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **94, 81.656, 118.091**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 65.499, 311.238**, and **31, 96.124, 306.921** is the 20% darker color. If you saturate the color by 10%, you get **45, 109.698, 307.711**, and if you desaturate by 10%, it is **58, 80.989, 305.978**.

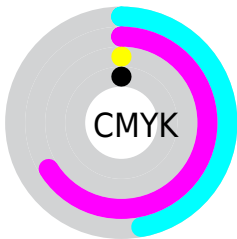
Distribution



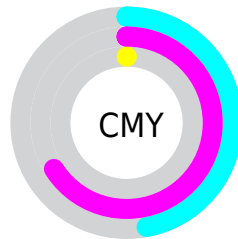
- Red (53%)
- Green (34%)
- Blue (100%)



- Red (53%)
- Yellow (34%)
- Blue (100%)



- Cyan (47%)
- Magenta (66%)
- Yellow (0%)
- Black (0%)





- Cyan (47%)
- Magenta (66%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 95.929, 306.916 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 51, 95.929, 306.916 by changing the saturation by 10% instead.


 51, 95.929,
306.916


 51, 95.929,
306.916


 100, 95.929,
306.916


 41, 95.929,
306.916


 71, 95.929,
306.916

 31, 95.929,
306.916

 81, 95.929,
306.916

 21, 95.929,
306.916

 91, 95.929,
306.916

 11, 95.929,
306.916

 1, 95.929, 306.916

 0, 95.929, 306.916

51, 95.929,
306.916

51, 95.929,
306.916

45, 109.698,
307.711

58, 80.989,
305.978

40, 120.976,
308.186

65, 65.735,
305.015

36, 128.292,
308.156

73, 50.630,
304.095

35, 130.338,
308.048

80, 35.902,
303.253

88, 21.642,
302.499

96, 7.879, 301.832

100, 0.009,
299.228

Harmonies

Complementary

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



51, 95.929, 306.916



94, 81.656, 118.091

Rectangle

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



51, 95.929, 306.916



51, 95.929, 356.916



51, 95.929, 126.916



51, 95.929, 176.916

Sweetspot

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



51, 95.929, 306.917



85, 27.452, 302.798



78, 38.461, 239.712



43, 18.824, 303.011



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



51, 95.929, 306.917



43, 113.555, 307.903



61, 95.516, 320.800



49, 7.660, 302.064



26, 104.770, 308.199



5, 44.738, 307.515

Inverse Universe

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



64, 79.819, 339.483



60, 88.549, 341.127



90, 93.425, 134.481



50, 7.384, 334.570



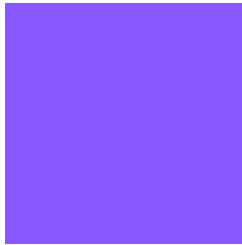
43, 74.714, 344.327



11, 35.191, 341.849

Previews

White Background



This preview shows how the CIELCh color 51, 95.929, 306.916 looks on a white background.

Color Contrast Check

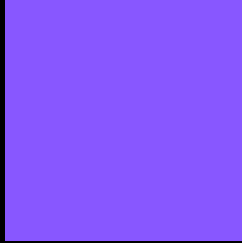
Large Text (above 18pt) WCAG AA ✓ Pass

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 51, 95.929, 306.916 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

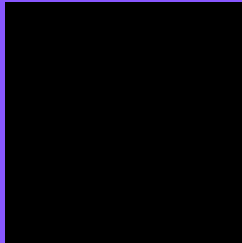
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 95.929, 306.916

Background



This preview shows how black text looks on a background with the CIELCh color 51, 95.929, 306.916.

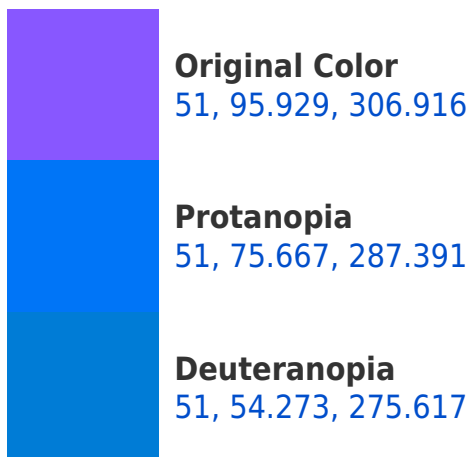


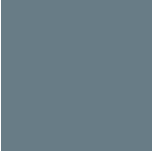
This preview shows how white text looks on a background with the CIELCh color 51, 95.929, 306.916.

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
51, 9.280, 237.949

Trichromacy



Original Color
51, 95.929, 306.916



Protanomaly
49, 83.665, 293.236



Deuteranomaly
49, 69.123, 288.645



Tritanomaly
50, 39.322, 297.324

Monochromacy



Original Color
51, 95.929, 306.916



Achromatopsia
51, 0.007, 296.813



Achromatomaly
50, 36.325, 303.592

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 95.929, 306.916 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(136, 87, 255)` looks like.

```
.text, #text, p{  
    color:rgb(136, 87, 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(136, 87, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 87, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 95.929, 306.916 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(136, 87, 255) }
```

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

```
.border{ border-color:rgb(136, 87, 255) }
```

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

Here you see how a box with a 4 pixel rgb(136, 87, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 87, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 87, 255);  
box-shadow:4px 4px 4px 4px rgb(136, 87,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 95.929, 306.916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 87, 255) }
```

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

```
.background{ background-color: rgb(136, 87,  
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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