

Converting Colors

CIELCh(51, 65.685, 306.969)

Have a look what the booklet for
CIELCh(51, 65.685, 306.969)
contains.

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Color

CIELCh(51, 65.756, 306.988)

Conversions

Conversions Part 1

Format	Color
Hex	8A64D4
RGB	138, 100, 212
RGB Percent	54%, 39%, 83%
CMY	0.4588, 0.6079, 0.1687
CMYK	0.35, 0.53, 0.00, 0.17
HSL	260°, 57%, 61%
HSV	260°, 53%, 83%
XYZ	26.9190, 19.2686, 64.5822
YIQ	124.1300, -13.3040, 42.8880

Conversions

Conversions Part 2

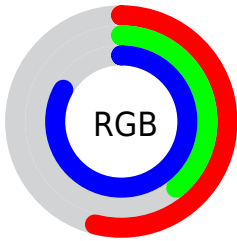
Format	Color
R _Y B	138, 100, 212
Decimal	9069780
CIE Lab	51.00, 39.56, -52.52
CIE LCh	51, 65.756, 306.988
Yxy	19.2686, 0.2430, 0.1740
Android (android.graphics.Color)	4287259860 (0xFF8A64D4)
YUV	124.1300, 43.3199, 12.1640
Hunter-Lab	43.8960, 32.6463, -56.5034

Details

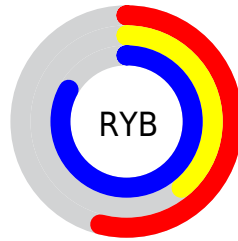
The CIELCh color **51, 65.756, 306.988** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **80, 58.827, 120.499**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 57.987, 308.483**, and **31, 66.239, 307.118** is the 20% darker color. If you saturate the color by 10%, you get **45, 78.619, 307.796**, and if you desaturate by 10%, it is **57, 52.716, 306.164**.

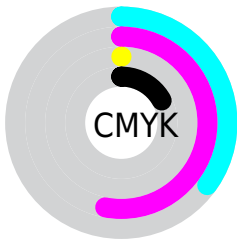
Distribution



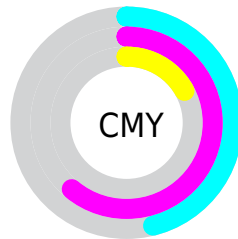
- Red (54%)
- Green (39%)
- Blue (83%)



- Red (54%)
- Yellow (39%)
- Blue (83%)



- Cyan (35%)
- Magenta (53%)
- Yellow (0%)
- Black (17%)





- Cyan (46%)
- Magenta (61%)
- Yellow (17%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 65.756, 306.988 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, 65.756, 306.988 by changing the saturation by 10% instead.


 51, 65.756,
306.988

 51, 65.756,
306.988


 100, 65.756,
306.988


 41, 65.756,
306.988


 71, 65.756,
306.988

 31, 65.756,
306.988

 81, 65.756,
306.988

 21, 65.756,
306.988

 91, 65.756,
306.988

 11, 65.756,
306.988

 1, 65.756, 306.988

 0, 65.756, 306.988

51, 65.756,
306.988

51, 65.756,
306.988

45, 78.619,
307.796

57, 52.716,
306.164

40, 90.720,
308.494

64, 39.828,
305.375

35, 101.123,
308.946

70, 27.252,
304.649

32, 108.667,
308.982

77, 15.059,
303.994


30, 112.302,
308.785

83, 3.273, 303.401

90, 8.109, 122.922

96, 19.101,
122.476

99, 21.824,
113.352

 99, 21.728,
108.532

Harmonies

Complementary

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



51, 65.756, 306.988



80, 58.827, 120.499

Rectangle

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



51, 65.756, 306.988



51, 65.756, 356.988



51, 65.756, 126.988



51, 65.756, 176.988

Sweetspot

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



51, 65.755, 306.988



88, 21.939, 304.205



68, 29.022, 243.738



45, 14.864, 304.340



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, 65.755, 306.988



54, 91.583, 307.860



57, 68.463, 322.048



42, 6.679, 303.788



23, 95.452, 308.930



2, 28.194, 302.751

Inverse Universe

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



58, 56.096, 340.382



65, 75.048, 341.642



77, 67.496, 136.515



42, 6.184, 336.552



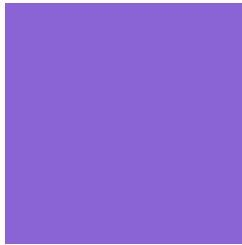
38, 66.845, 347.731



5, 25.764, 343.423

Previews

White Background



This preview shows how the CIELCh color 51, 65.756, 306.988 looks on a white background.

Color Contrast Check

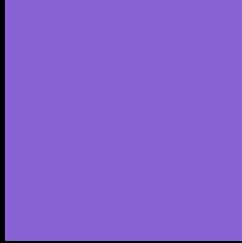
Large Text (above 18pt) WCAG AA ✓ Pass

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, 65.756, 306.988 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

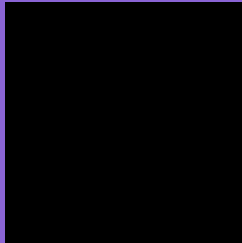
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 65.756, 306.988

Background



This preview shows how black text looks on a background with the CIELCh color 51, 65.756, 306.988.

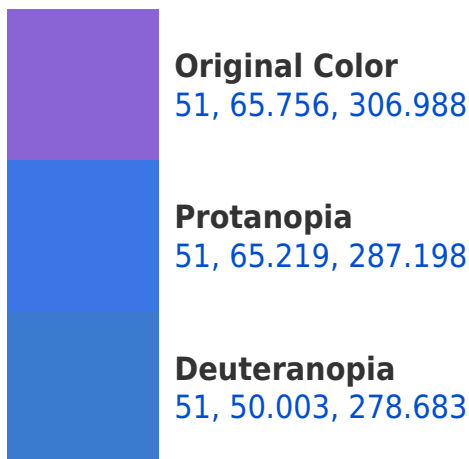



This preview shows how white text looks on a background with the CIELCh color 51, 65.756, 306.988.

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, 5.249, 290.856

Trichromacy



Original Color
51, 65.756, 306.988



Protanomaly
50, 65.076, 292.992



Deuteranomaly
51, 54.819, 289.264



Tritanomaly
51, 28.037, 303.673

Monochromacy



Original Color
51, 65.756, 306.988



Achromatopsia
52, 0.007, 296.813



Achromatomaly
51, 24.561, 304.925

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 65.756, 306.988 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(138, 100, 212)` looks like.

```
.text, #text, p{  
    color:rgb(138, 100, 212)  
}
```

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(138, 100, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 100, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 65.756, 306.988 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(138, 100, 212) }
```

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

```
.border{ border-color:rgb(138, 100, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 100, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 100, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 100, 212);  
box-shadow:4px 4px 4px 4px rgb(138, 100,  
212) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 65.756, 306.988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 100, 212) }
```

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

```
.background{ background-color: rgb(138,  
100, 212) }
```

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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