

Converting Colors

CIELCh(51, 56.889, 310.714)

Have a look what the booklet for
CIELCh(51, 56.889, 310.714)
contains.

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Color

CIELCh(51, 56.828, 310.701)

Conversions

Conversions Part 1

Format	Color
Hex	9265C4
RGB	146, 101, 196
RGB Percent	57%, 40%, 77%
CMY	0.4291, 0.6055, 0.2331
CMYK	0.26, 0.49, 0.00, 0.23
HSL	268°, 44%, 58%
HSV	268°, 49%, 77%
XYZ	26.3079, 19.2686, 54.2973
YIQ	125.2850, -3.6750, 39.0850

Conversions

Conversions Part 2

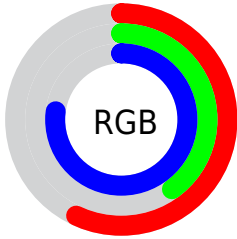
Format	Color
RYB	146, 101, 196
Decimal	9594308
CIELab	51.00, 37.06, -43.08
CIELCh	51, 56.828, 310.701
Yxy	19.2686, 0.2634, 0.1929
Android (android.graphics.Color)	4287784388 (0xFF9265C4)
YUV	125.2850, 34.8625, 18.1671
Hunter-Lab	43.8960, 30.1613, -42.6117

Details

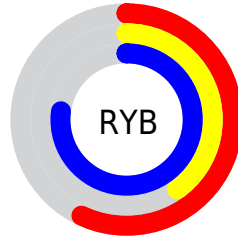
The CIELCh color **51, 56.828, 310.701** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **74, 52.660, 125.874**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 56.773, 310.748**, and **31, 57.170, 310.565** is the 20% darker color. If you saturate the color by 10%, you get **46, 68.661, 311.234**, and if you desaturate by 10%, it is **57, 44.778, 310.130**.

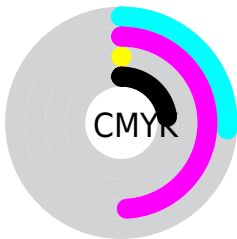
Distribution



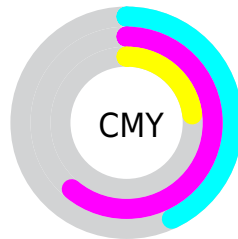
- Red (57%)
- Green (40%)
- Blue (77%)



- Red (57%)
- Yellow (40%)
- Blue (77%)



- Cyan (26%)
- Magenta (49%)
- Yellow (0%)
- Black (23%)





- Cyan (43%)
- Magenta (61%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 56.828, 310.701 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, 56.828, 310.701 by changing the saturation by 10% instead.


 51, 56.828,
310.701


 51, 56.828,
310.701


 100, 56.828,
310.701


 41, 56.828,
310.701


 71, 56.828,
310.701

 31, 56.828,
310.701

 81, 56.828,
310.701

 21, 56.828,
310.701

 91, 56.828,
310.701

 11, 56.828,
310.701

 1, 56.828, 310.701

 0, 56.828, 310.701

51, 56.828,
310.701

51, 56.828,
310.701

46, 68.661,
311.234

57, 44.778,
310.130

41, 79.821,
311.663

62, 32.791,
309.562

36, 89.628,
311.892

68, 21.024,
309.021

33, 97.234,
311.802

74, 9.555, 308.517

30, 102.169,
311.334


80, 1.578, 128.145

30, 102.820,
311.268

86, 12.367,
127.683

92, 22.813,
127.322

97, 31.741,
126.375

 98, 30.672,
119.724

Harmonies

Complementary

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



51, 56.828, 310.701



74, 52.660, 125.874

Rectangle

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



51, 56.828, 310.701



51, 56.828, 0.701



51, 56.828, 130.701



51, 56.828, 180.701

Sweetspot

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



51, 56.827, 310.701



89, 20.983, 308.850



61, 28.510, 260.584



46, 14.359, 308.960



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, 56.827, 310.701



59, 84.354, 311.252



57, 60.721, 325.964



38, 6.293, 308.557



24, 88.728, 311.432



2, 20.127, 304.434

Inverse Universe

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



55, 44.983, 347.177



66, 65.209, 348.744



72, 60.820, 139.865



38, 5.183, 342.966



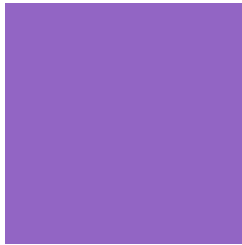
34, 60.383, 359.047



3, 16.073, 350.741

Previews

White Background



This preview shows how the CIELCh color 51, 56.828, 310.701 looks on a white background.

Color Contrast Check

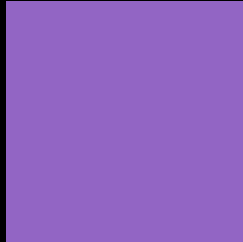
Large Text (above 18pt) WCAG AA ✓ Pass

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, 56.828, 310.701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

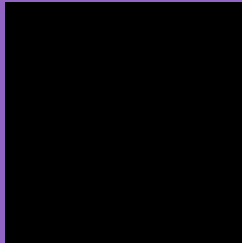
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 56.828, 310.701

Background



This preview shows how black text looks on a background with the CIELCh color 51, 56.828, 310.701.



This preview shows how white text looks on a background with the CIELCh color 51, 56.828, 310.701.

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



Original Color
51, 56.828, 310.701

Protanopia
51, 54.297, 286.181

Deuteranopia
51, 40.878, 280.179



Tritanopia
51, 8.311, 341.317

Trichromacy



Original Color
51, 56.828, 310.701

Protanomaly
51, 54.690, 294.122

Deuteranomaly
51, 46.035, 292.846

Tritanomaly
51, 25.503, 316.039

Monochromacy



Original Color
51, 56.828, 310.701

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 21.337, 308.685

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 56.828, 310.701 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(146, 101, 196)` looks like.

```
.text, #text, p{  
    color:rgb(146, 101, 196)  
}
```

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(146, 101, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 101, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 56.828, 310.701 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(146, 101, 196) }
```

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

```
.border{ border-color:rgb(146, 101, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 101, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 101, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 101, 196);  
box-shadow:4px 4px 4px 4px rgb(146, 101,  
196) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 56.828, 310.701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 101, 196) }
```

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

```
.background{ background-color: rgb(146,  
101, 196) }
```

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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