

Converting Colors

CIELCh(56, 50.898, 305.695)

Have a look what the booklet for
CIELCh(56, 50.898, 305.695)
contains.

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Color

CIELCh(56, 50.676, 305.563)

Conversions

Conversions Part 1

Format	Color
Hex	9377CE
RGB	147, 119, 206
RGB Percent	58%, 47%, 81%
CMY	0.4229, 0.5327, 0.1915
CMYK	0.29, 0.42, 0.00, 0.19
HSL	259°, 47%, 64%
HSV	259°, 42%, 81%
XYZ	29.8378, 23.9124, 61.5424
YIQ	137.2900, -11.2390, 32.9930

Conversions

Conversions Part 2

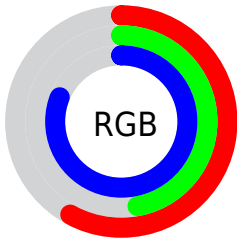
Format	Color
R _Y B	147, 119, 206
Decimal	9664462
CIE Lab	56.00, 29.47, -41.22
CIE LCh	56, 50.676, 305.563
Yxy	23.9124, 0.2588, 0.2074
Android (android.graphics.Color)	4287854542 (0xFF9377CE)
YUV	137.2900, 33.8740, 8.5157
Hunter-Lab	48.9003, 23.3409, -40.3879

Details

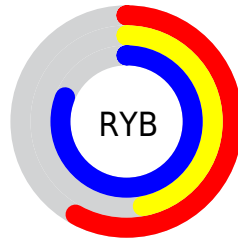
The CIELCh color **56, 50.676, 305.563** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **79, 46.461, 120.279**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 46.040, 306.512**, and **36, 50.560, 305.712** is the 20% darker color. If you saturate the color by 10%, you get **50, 63.446, 306.426**, and if you desaturate by 10%, it is **62, 38.088, 304.746**.

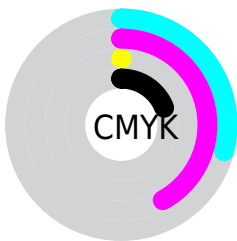
Distribution



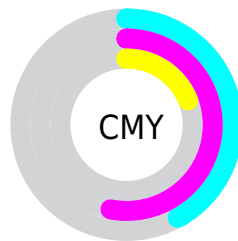
- Red (58%)
- Green (47%)
- Blue (81%)



- Red (58%)
- Yellow (47%)
- Blue (81%)



- Cyan (29%)
- Magenta (42%)
- Yellow (0%)
- Black (19%)





- Cyan (42%)
- Magenta (53%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 50.676, 305.563 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, 50.676, 305.563 by changing the saturation by 10% instead.


 56, 50.676,
305.563


 56, 50.676,
305.563


 100, 50.676,
305.563


 46, 50.676,
305.563


 76, 50.676,
305.563

 36, 50.676,
305.563

 86, 50.676,
305.563

 26, 50.676,
305.563

 96, 50.676,
305.563

 16, 50.676,
305.563

 6, 50.676, 305.563

 0, 50.676, 305.563

56, 50.676,
305.563

56, 50.676,
305.563

50, 63.446,
306.426

62, 38.088,
304.746

44, 76.107,
307.285

69, 25.828,
303.998

39, 88.106,
308.050

75, 13.955,
303.328

34, 98.548,
308.583

81, 2.485, 302.719

88, 8.587, 122.234

30, 106.272,
308.711

94, 19.277,
121.782

28, 110.305,
308.553

98, 24.968,
116.847

99, 24.650,
108.308

Harmonies

Complementary

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



56, 50.676, 305.563



79, 46.461, 120.279

Rectangle

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



56, 50.676, 305.563



56, 50.676, 355.563



56, 50.676, 125.563



56, 50.676, 175.563

Sweetspot

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



56, 50.675, 305.563



90, 17.691, 303.389



70, 23.358, 238.889



46, 12.427, 303.534



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, 50.675, 305.563



62, 73.609, 306.376



60, 54.001, 321.155



40, 6.400, 303.153



22, 93.610, 308.699



2, 23.935, 300.771

Inverse Universe

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



61, 45.154, 338.476



70, 63.798, 339.385



77, 53.162, 136.871



40, 6.014, 335.804



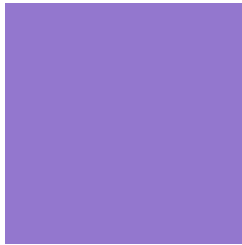
36, 66.066, 346.335



4, 22.348, 342.096

Previews

White Background



This preview shows how the CIELCh color 56, 50.676, 305.563 looks on a white background.

Color Contrast Check

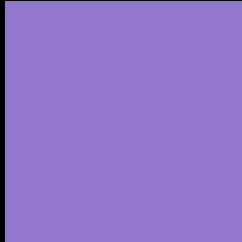
Large Text (above 18pt) WCAG AA ✓ Pass

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, 50.676, 305.563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

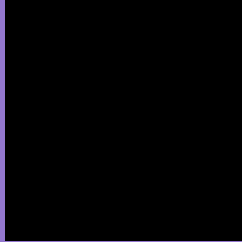
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 50.676, 305.563

Background



This preview shows how black text looks on a background with the CIELCh color 56, 50.676, 305.563.

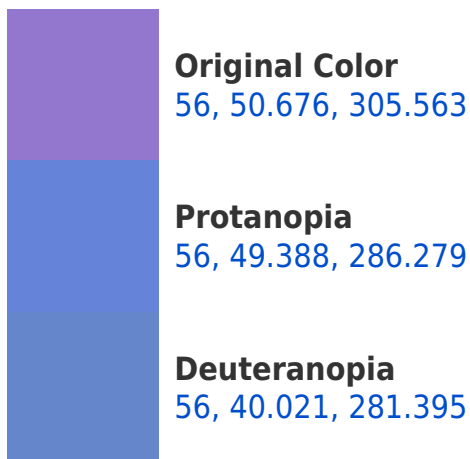



This preview shows how white text looks on a background with the CIELCh color 56, 50.676, 305.563.

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, 5.795, 298.466

Trichromacy



Original Color
56, 50.676, 305.563

Protanomaly
56, 49.169, 292.687

Deuteranomaly
56, 42.921, 290.667

Tritanomaly
56, 22.251, 302.892

Monochromacy



Original Color
56, 50.676, 305.563

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 18.186, 303.786

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 50.676, 305.563 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(147, 119, 206)` looks like.

```
.text, #text, p{  
    color:rgb(147, 119, 206)  
}
```

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(147, 119, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 119, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 50.676, 305.563 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(147, 119, 206) }
```

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

```
.border{ border-color:rgb(147, 119, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 119, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 119, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 119, 206);  
box-shadow:4px 4px 4px 4px rgb(147, 119,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 50.676, 305.563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 119, 206) }
```

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

```
.background{ background-color: rgb(147,  
119, 206) }
```

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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