

Converting Colors

CIELCh(57, 50.349, 310.648)

Have a look what the booklet for
CIELCh(57, 50.349, 310.648)
contains.

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Color

CIELCh(57, 50.279, 310.596)

Conversions

Conversions Part 1

Format	Color
Hex	A077CC
RGB	160, 119, 204
RGB Percent	63%, 47%, 80%
CMY	0.3736, 0.5343, 0.2011
CMYK	0.22, 0.42, 0.00, 0.20
HSL	269°, 45%, 63%
HSV	269°, 42%, 80%
XYZ	31.8725, 24.9227, 60.0783
YIQ	140.9490, -2.8490, 35.1270

Conversions

Conversions Part 2

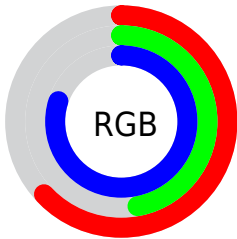
Format	Color
R_{YB}	160, 119, 204
Decimal	10516428
CIE _{Lab}	57.00, 32.72, -38.18
CIE _{LCh}	57, 50.279, 310.596
Yxy	24.9227, 0.2727, 0.2132
Android (android.graphics.Color)	4288706508 (0xFFA077CC)
YUV	140.9490, 31.0841, 16.7077
Hunter-Lab	49.9226, 26.5965, -36.4054

Details

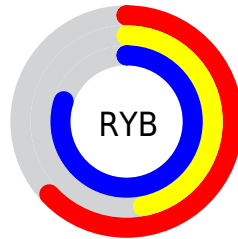
The CIELCh color $57, 50.279, 310.596$ is a light color, and the websafe version is hex `9966CC`. A complement of this color would be $77, 47.211, 126.483$, and the grayscale version is $58, 0.007, 296.813$.

A 20% lighter version of the original color is $77, 47.005, 311.671$, and $37, 49.731, 310.348$ is the 20% darker color. If you saturate the color by 10%, you get $51, 62.687, 311.149$, and if you desaturate by 10%, it is $63, 37.843, 310.032$.

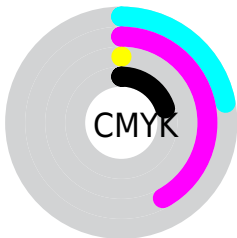
Distribution



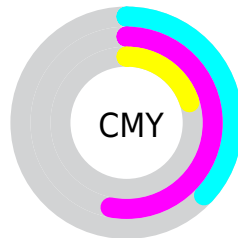
- Red (63%)
- Green (47%)
- Blue (80%)



- Red (63%)
- Yellow (47%)
- Blue (80%)



- Cyan (22%)
- Magenta (42%)
- Yellow (0%)
- Black (20%)




- Cyan (37%)
- Magenta (53%)
- Yellow (20%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 50.279, 310.596 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 57, 50.279, 310.596 by changing the saturation by 10% instead.


 57, 50.279,
310.596


 57, 50.279,
310.596


 100, 50.279,
310.596

 47, 50.279,
310.596


 77, 50.279,
310.596

 37, 50.279,
310.596

 87, 50.279,
310.596

 27, 50.279,
310.596

 97, 50.279,
310.596

 17, 50.279,
310.596

 7, 50.279, 310.596

 0, 50.279, 310.596

57, 50.279,
310.596

57, 50.279,
310.596

51, 62.687,
311.149

63, 37.843,
310.032

46, 74.725,
311.643

69, 25.583,
309.488

41, 85.837,
312.001

75, 13.607,
308.977

37, 95.250,
312.119

81, 1.967, 308.465

87, 9.320, 128.119


34, 102.092,
311.877

93, 20.251,
127.743

32, 105.840,
311.427

97, 27.179,
125.169

98, 26.239,
117.122

 99, 25.879,
108.511

Harmonies

Complementary

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



57, 50.279, 310.596



77, 47.211, 126.483

Rectangle

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



57, 50.279, 310.596



57, 50.279, 0.596



57, 50.279, 130.596



57, 50.279, 180.596

Sweetspot

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



57, 50.278, 310.596



91, 18.162, 309.049



66, 25.542, 258.856



47, 12.749, 309.161



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



57, 50.278, 310.596



64, 72.705, 311.093



62, 54.509, 325.669



40, 6.576, 308.863



25, 90.651, 311.593



2, 24.460, 305.989

Inverse Universe

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



60, 40.036, 346.801



70, 56.988, 348.018



75, 54.498, 140.522



40, 5.375, 343.434



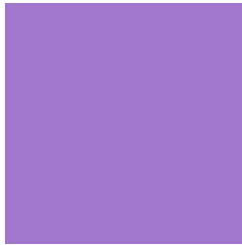
35, 61.643, 359.964



4, 20.103, 352.419

Previews

White Background



This preview shows how the CIELCh color 57, 50.279, 310.596 looks on a white background.

Color Contrast Check

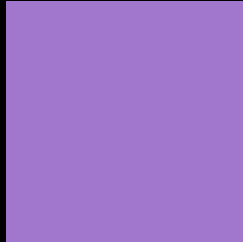
Large Text (above 18pt) WCAG AA ✓ Pass

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 57, 50.279, 310.596 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

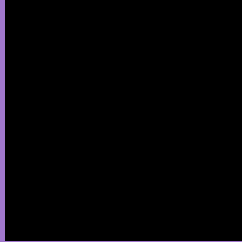
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 50.279, 310.596

Background



This preview shows how black text looks on a background with the CIELCh color 57, 50.279, 310.596.

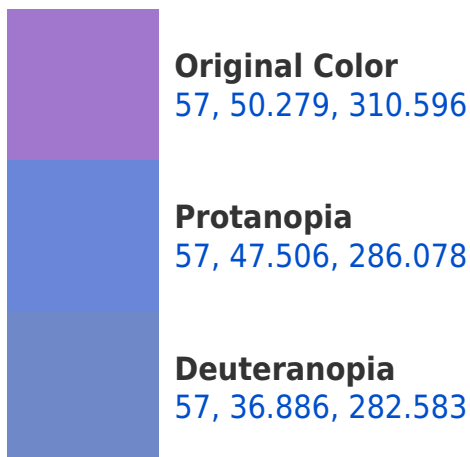



This preview shows how white text looks on a background with the CIELCh color 57, 50.279, 310.596.

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
57, 8.802, 340.008

Trichromacy



Original Color
57, 50.279, 310.596

Protanomaly
57, 47.935, 294.795

Deuteranomaly
57, 40.532, 294.283

Tritanomaly
57, 23.314, 316.758

Monochromacy



Original Color
57, 50.279, 310.596

Achromatopsia
59, 0.008, 296.813

Achromatomaly
58, 18.594, 309.379

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 50.279, 310.596 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(160, 119, 204)` looks like.

```
.text, #text, p{  
    color:rgb(160, 119, 204)  
}
```

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(160, 119, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 119, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 50.279, 310.596 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(160, 119, 204) }
```

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

```
.border{ border-color:rgb(160, 119, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 119, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 119, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 119, 204);  
box-shadow:4px 4px 4px 4px rgb(160, 119,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 50.279, 310.596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 119, 204) }
```

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

```
.background{ background-color: rgb(160,  
119, 204) }
```

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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