

Converting Colors

CIELCh(55, 57.762, 312.404)

Have a look what the booklet for
CIELCh(55, 57.762, 312.404)
contains.

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Color

CIELCh(55, 57.778, 312.576)

Conversions

Conversions Part 1

Format	Color
Hex	A16DCE
RGB	161, 109, 206
RGB Percent	63%, 43%, 81%
CMY	0.3691, 0.5730, 0.1926
CMYK	0.22, 0.47, 0.00, 0.19
HSL	272°, 50%, 62%
HSV	272°, 47%, 81%
XYZ	31.2578, 22.9298, 61.0955
YIQ	135.6060, -0.1450, 41.1910

Conversions

Conversions Part 2

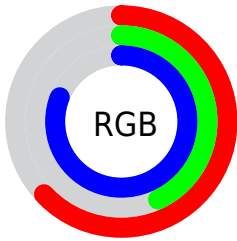
Format	Color
RYB	161, 109, 206
Decimal	10579406
CIELab	55.00, 39.09, -42.55
CIELCh	55, 57.778, 312.576
Yxy	22.9298, 0.2711, 0.1989
Android (android.graphics.Color)	4288769486 (0xFFA16DCE)
YUV	135.6060, 34.7042, 22.2705
Hunter-Lab	47.8851, 32.7199, -42.1271

Details

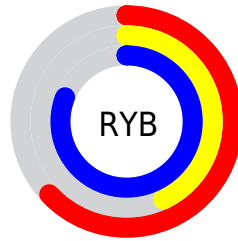
The CIELCh color **55, 57.778, 312.576** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **77, 54.266, 128.145**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 53.430, 314.195**, and **35, 57.917, 312.701** is the 20% darker color. If you saturate the color by 10%, you get **50, 70.013, 313.027**, and if you desaturate by 10%, it is **61, 45.252, 312.077**.

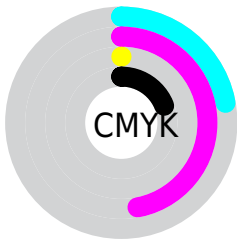
Distribution



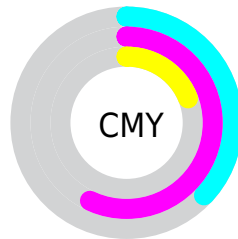
- Red (63%)
- Green (43%)
- Blue (81%)



- Red (63%)
- Yellow (43%)
- Blue (81%)



- Cyan (22%)
- Magenta (47%)
- Yellow (0%)
- Black (19%)





- Cyan (37%)
- Magenta (57%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 57.778, 312.576 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 55, 57.778, 312.576 by changing the saturation by 10% instead.


 55, 57.778,
312.576


 55, 57.778,
312.576


 100, 57.778,
312.576


 45, 57.778,
312.576


 75, 57.778,
312.576

 35, 57.778,
312.576

 85, 57.778,
312.576

 25, 57.778,
312.576

 95, 57.778,
312.576

 15, 57.778,
312.576

 5, 57.778, 312.576

 0, 57.778, 312.576

55, 57.778,
312.576

55, 57.778,
312.576

50, 70.013,
313.027

61, 45.252,
312.077

45, 81.488,
313.369

67, 32.738,
311.568

40, 91.527,
313.517

72, 20.412,
311.075

37, 99.322,
313.368

78, 8.370, 310.607

34, 104.269,
312.838

84, 3.342, 130.241

34, 105.453,
312.666

90, 14.706,
129.829

96, 25.719,
129.485

98, 25.730,
123.026

■ 98, 25.009,
115.264

Harmonies

Complementary

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



55, 57.778, 312.576



77, 54.266, 128.145

Rectangle

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



55, 57.778, 312.576



55, 57.778, 2.576



55, 57.778, 132.576



55, 57.778, 182.576

Sweetspot

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



55, 57.777, 312.576



90, 19.796, 310.936



62, 31.307, 267.686



46, 13.706, 311.040



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



55, 57.777, 312.576



61, 83.109, 313.052



60, 60.622, 327.884



40, 6.650, 310.712



26, 89.617, 312.840



3, 24.727, 308.017

Inverse Universe

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



58, 44.116, 350.824



66, 62.389, 352.621



75, 60.905, 141.530



40, 5.187, 346.400



35, 61.179, 5.042



4, 19.582, 355.753

Previews

White Background



This preview shows how the CIELCh color 55, 57.778, 312.576 looks on a white background.

Color Contrast Check

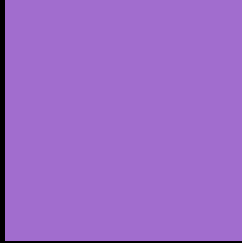
Large Text (above 18pt) WCAG AA ✓ Pass

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 55, 57.778, 312.576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

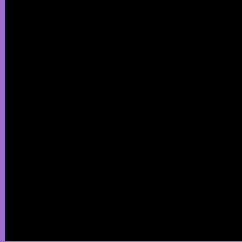
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 57.778, 312.576

Background



This preview shows how black text looks on a background with the CIELCh color 55, 57.778, 312.576.

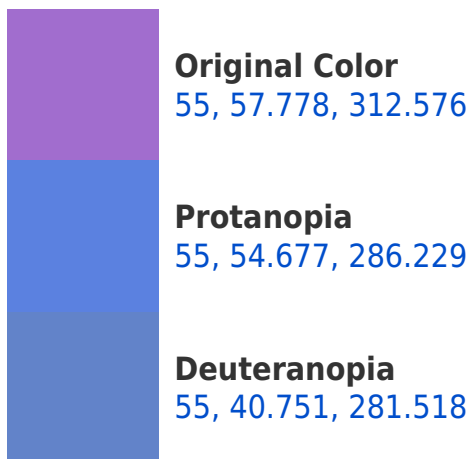


This preview shows how white text looks on a background with the CIELCh color 55, 57.778, 312.576.

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
55, 11.166, 349.830

Trichromacy



Original Color
55, 57.778, 312.576

Protanomaly
55, 54.498, 294.568

Deuteranomaly
55, 45.993, 294.700

Tritanomaly
55, 27.295, 320.234

Monochromacy



Original Color
55, 57.778, 312.576

Achromatopsia
56, 0.007, 296.813

Achromatomaly
56, 21.259, 310.551

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 57.778, 312.576 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(161, 109, 206)` looks like.

```
.text, #text, p{  
    color:rgb(161, 109, 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(161, 109, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 109, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 57.778, 312.576 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(161, 109, 206) }
```

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

```
.border{ border-color:rgb(161, 109, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 109, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 109, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 109, 206);  
box-shadow:4px 4px 4px 4px rgb(161, 109,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 57.778, 312.576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 109, 206) }
```

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

```
.background{ background-color: rgb(161,  
109, 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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