

Converting Colors

CIELCh(56, 57.609, 316.865)

Have a look what the booklet for
CIELCh(56, 57.609, 316.865)
contains.

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Color

CIELCh(56, 57.658, 316.873)

Conversions

Conversions Part 1

Format	Color
Hex	AC6CCB
RGB	172, 108, 203
RGB Percent	67%, 42%, 80%
CMY	0.3243, 0.5754, 0.2028
CMYK	0.15, 0.47, 0.00, 0.20
HSL	280°, 48%, 61%
HSV	280°, 47%, 80%
XYZ	33.2837, 23.9124, 59.5461
YIQ	137.9660, 7.6490, 43.1130

Conversions

Conversions Part 2

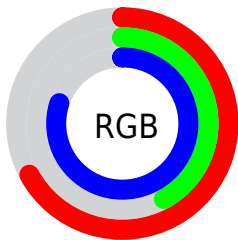
Format	Color
R_{YB}	172, 108, 203
Decimal	11300043
CIE Lab	56.00, 42.08, -39.42
CIE LCh	56, 57.658, 316.873
Yxy	23.9124, 0.2851, 0.2048
Android (android.graphics.Color)	4289490123 (0xFFAC6CCB)
YUV	137.9660, 32.0618, 29.8478
Hunter-Lab	48.9003, 35.9195, -37.9674

Details

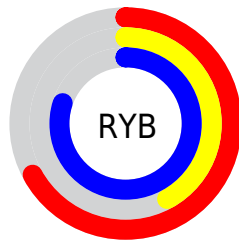
The CIELCh color $56, 57.658, 316.873$ is a light color, and the websafe version is hex `9966CC`. A complement of this color would be $76, 55.490, 132.599$, and the grayscale version is $57, 0.007, 296.813$.

A 20% lighter version of the original color is $76, 55.156, 318.063$, and $36, 57.253, 317.061$ is the 20% darker color. If you saturate the color by 10%, you get $51, 69.471, 317.207$, and if you desaturate by 10%, it is $61, 45.321, 316.470$.

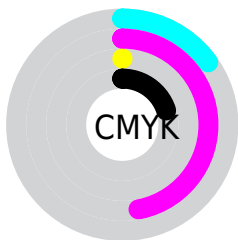
Distribution



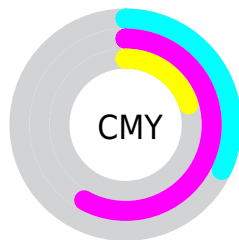
- Red (67%)
- Green (42%)
- Blue (80%)



- Red (67%)
- Yellow (42%)
- Blue (80%)



- Cyan (15%)
- Magenta (47%)
- Yellow (0%)
- Black (20%)





- Cyan (32%)
- Magenta (58%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 57.658, 316.873 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, 57.658, 316.873 by changing the saturation by 10% instead.


 56, 57.658,
316.873


 56, 57.658,
316.873


 100, 57.658,
316.873


 46, 57.658,
316.873


 76, 57.658,
316.873

 36, 57.658,
316.873

 86, 57.658,
316.873

 26, 57.658,
316.873

 96, 57.658,
316.873

 16, 57.658,
316.873

 6, 57.658, 316.873

 0, 57.658, 316.873

56, 57.658,
316.873

56, 57.658,
316.873

51, 69.471,
317.207

61, 45.321,
316.470

47, 80.270,
317.421

67, 32.814,
316.035

43, 89.423,
317.450

72, 20.365,
315.593

40, 96.274,
317.222

78, 8.114, 315.152

84, 3.861, 134.814


38, 100.427,
316.684

89, 15.517,
134.403

37, 101.496,
316.484

95, 26.838,
134.052

97, 28.447,
130.686

 97, 27.562,
126.152

Harmonies

Complementary

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



56, 57.658, 316.873



76, 55.490, 132.599

Rectangle

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



56, 57.658, 316.873



56, 57.658, 6.873



56, 57.658, 136.873



56, 57.658, 186.873

Sweetspot

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



56, 57.656, 316.873



90, 20.418, 315.480



58, 36.700, 279.422



47, 14.127, 315.577



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, 57.656, 316.873



64, 82.409, 317.207



59, 54.472, 332.341



40, 6.867, 315.270



30, 87.127, 316.628



3, 25.690, 313.746

Inverse Universe

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



57, 41.010, 0.104



66, 58.688, 2.192



75, 54.579, 145.397



40, 4.778, 354.991



35, 62.645, 18.200



4, 18.669, 3.563

Previews

White Background



This preview shows how the CIELCh color 56, 57.658, 316.873 looks on a white background.

Color Contrast Check

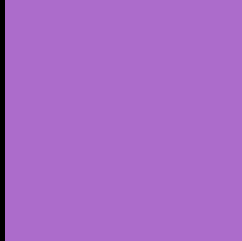
Large Text (above 18pt) WCAG AA ✓ Pass

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, 57.658, 316.873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

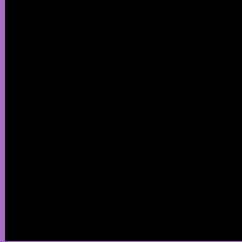
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 57.658, 316.873

Background



This preview shows how black text looks on a background with the CIELCh color 56, 57.658, 316.873.

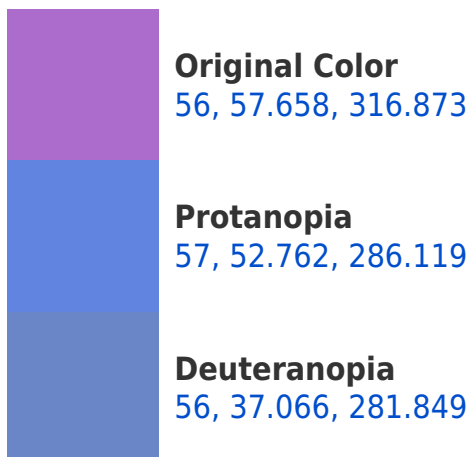


This preview shows how white text looks on a background with the CIELCh color 56, 57.658, 316.873.

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, 16.343, 0.975

Trichromacy



Original Color
56, 57.658, 316.873



Protanomaly
55, 53.275, 296.423



Deuteranomaly
56, 43.091, 297.512



Tritanomaly
56, 29.515, 330.428

Monochromacy



Original Color
56, 57.658, 316.873



Achromatopsia
57, 0.007, 296.813



Achromatomaly
56, 21.858, 315.259

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 57.658, 316.873 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(172, 108, 203)` looks like.

```
.text, #text, p{  
    color:rgb(172, 108, 203)  
}
```

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(172, 108, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 108, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 57.658, 316.873 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(172, 108, 203) }
```

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

```
.border{ border-color:rgb(172, 108, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 108, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 108, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 108, 203);  
box-shadow:4px 4px 4px 4px rgb(172, 108,  
203) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 57.658, 316.873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 108, 203) }
```

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

```
.background{ background-color: rgb(172,  
108, 203) }
```

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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