

# Converting Colors

CIELCh(56, 56.339, 311.872)

Have a look what the booklet for  
CIELCh(56, 56.339, 311.872)  
contains.

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**Color**

**CIELCh(56, 56.339, 311.872)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A271D0
RGB	162, 113, 208
RGB Percent	64%, 44%, 82%
CMY	0.3661, 0.5582, 0.1858
CMYK	0.22, 0.46, 0.00, 0.19
HSL	271°, 50%, 63%
HSV	271°, 46%, 81%
XYZ	32.0314, 23.9124, 62.3593
YIQ	138.4810, -1.2910, 39.9330

# Conversions

## Conversions Part 2

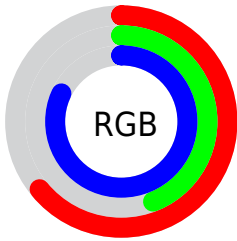
<b>Format</b>	<b>Color</b>
<b>RYB</b>	162, 113, 208
Decimal	10645968
CIELab	56.00, 37.60, -41.95
CIELCh	56, 56.339, 311.872
Yxy	23.9124, 0.2708, 0.2021
Android (android.graphics.Color)	4288836048 (0xFFA271D0)
YUV	138.4810, 34.2729, 20.6262
Hunter-Lab	48.9003, 31.3482, -41.3783

# Details

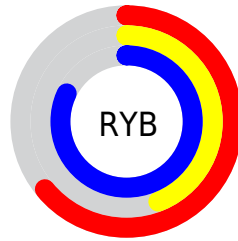
The CIELCh color  $56, 56.339, 311.872$  is a light color, and the websafe version is hex `9966CC`. A complement of this color would be  $78, 52.832, 127.495$ , and the grayscale version is  $57, 0.007, 296.813$ .

A 20% lighter version of the original color is  $76, 51.028, 313.909$ , and  $36, 56.529, 311.973$  is the 20% darker color. If you saturate the color by 10%, you get  $50, 68.765, 312.360$ , and if you desaturate by 10%, it is  $62, 43.705, 311.348$ .

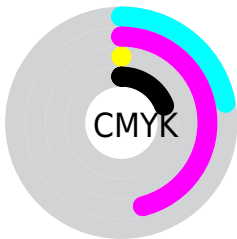
# Distribution



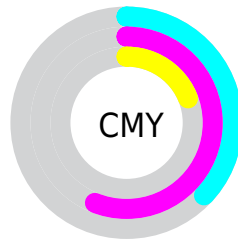
- Red (64%)
- Green (44%)
- Blue (82%)



- Red (64%)
- Yellow (44%)
- Blue (82%)



- Cyan (22%)
- Magenta (46%)
- Yellow (0%)
- Black (19%)




- Cyan (37%)
- Magenta (56%)
- Yellow (19%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 56.339, 311.872 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, 56.339, 311.872 by changing the saturation by 10% instead.





 56, 56.339,  
311.872


 56, 56.339,  
311.872


 100, 56.339,  
311.872


 46, 56.339,  
311.872


 76, 56.339,  
311.872

 36, 56.339,  
311.872

 86, 56.339,  
311.872

 26, 56.339,  
311.872

 96, 56.339,  
311.872

 16, 56.339,  
311.872

 6, 56.339, 311.872

 0, 56.339, 311.872

56, 56.339,  
311.872

56, 56.339,  
311.872

50, 68.765,  
312.360

62, 43.705,  
311.348

45, 80.543,  
312.752

68, 31.139,  
310.823

41, 91.017,  
312.964

74, 18.798,  
310.321

37, 99.360,  
312.890

80, 6.762, 309.845

34, 104.818,  
312.426


86, 4.930, 129.467

33, 106.597,  
312.172

92, 16.265,  
129.069

97, 25.494,  
127.687

98, 24.452,  
119.647

 99, 23.953,  
110.925

# Harmonies

# Complementary

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



56, 56.339, 311.872



78, 52.832, 127.495

# Rectangle

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



56, 56.339, 311.872



56, 56.339, 1.872



56, 56.339, 131.872



56, 56.339, 181.872

# Sweetspot

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



56, 56.338, 311.872



90, 19.714, 310.245



64, 29.398, 263.739



46, 13.651, 310.351



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, 56.338, 311.872



62, 80.172, 312.356



61, 60.745, 326.844



41, 6.757, 310.018



26, 91.038, 312.339



3, 26.834, 308.088



# Inverse Universe

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



60, 43.632, 349.352



67, 61.040, 350.916



76, 60.971, 140.819



41, 5.365, 345.254



36, 61.978, 3.160

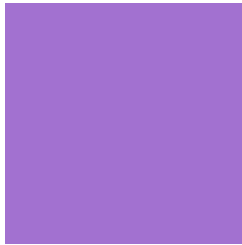


5, 21.659, 354.953



# Previews

## White Background



This preview shows how the CIELCh color 56, 56.339, 311.872 looks on a white background.

## Color Contrast Check

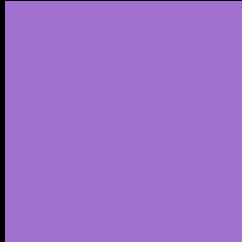
Large Text (above 18pt) WCAG AA ✓ Pass

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 56, 56.339, 311.872 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

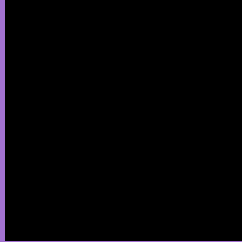
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 56, 56.339, 311.872

## Background



This preview shows how black text looks on a background with the CIELCh color 56, 56.339, 311.872.

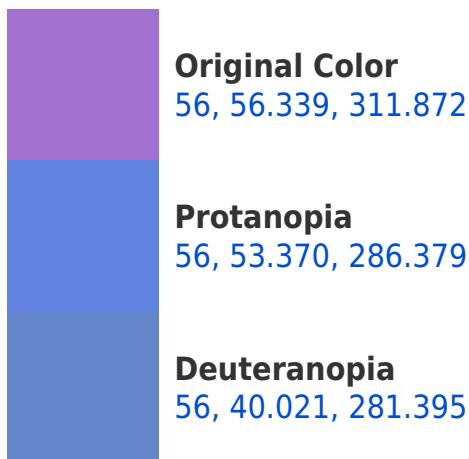


This preview shows how white text looks on a background with the CIELCh color 56, 56.339, 311.872.

# 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, 10.751, 344.844

# Trichromacy



**Original Color**  
56, 56.339, 311.872

**Protanomaly**  
56, 53.786, 294.979

**Deuteranomaly**  
56, 45.252, 294.532

**Tritanomaly**  
56, 26.886, 318.749

# Monochromacy



**Original Color**  
56, 56.339, 311.872

**Achromatopsia**  
57, 0.007, 296.813

**Achromatomaly**  
57, 20.641, 311.018

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 56, 56.339, 311.872 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(162, 113, 208)` looks like.

```
.text, #text, p{  
    color:rgb(162, 113, 208)  
}
```

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(162, 113, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 113, 208) }
```

## Border

The CSS property to change the border of an element to CIELCh 56, 56.339, 311.872 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(162, 113, 208) }
```

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

```
.border{ border-color:rgb(162, 113, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 113, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 113, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 113, 208);  
box-shadow:4px 4px 4px 4px rgb(162, 113,  
208) }
```

# Background

The CSS property to change the background color of an element to CIELCh 56, 56.339, 311.872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 113, 208) }
```

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

```
.background{ background-color: rgb(162,  
113, 208) }
```

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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