

Converting Colors

CIELCh(56, 57.144, 311.694)

Have a look what the booklet for
CIELCh(56, 57.144, 311.694)
contains.

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Color

CIELCh(56, 57.492, 311.900)

Conversions

Conversions Part 1

Format	Color
Hex	A270D1
RGB	162, 112, 209
RGB Percent	64%, 44%, 82%
CMY	0.3643, 0.5604, 0.1800
CMYK	0.22, 0.46, 0.00, 0.18
HSL	271°, 51%, 63%
HSV	271°, 46%, 82%
XYZ	32.2503, 23.9124, 63.3100
YIQ	138.0080, -1.3370, 40.7670

Conversions

Conversions Part 2

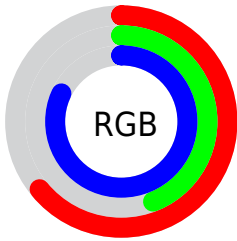
Format	Color
RYB	162, 112, 209
Decimal	10645713
CIELab	56.00, 38.40, -42.79
CIELCh	56, 57.492, 311.900
Yxy	23.9124, 0.2699, 0.2001
Android (android.graphics.Color)	4288835793 (0xFFA270D1)
YUV	138.0080, 34.9991, 21.0410
Hunter-Lab	48.9003, 32.1470, -42.5310

Details

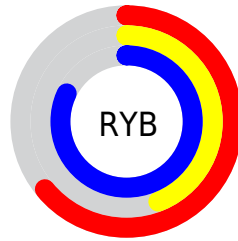
The CIELCh color $56, 57.492, 311.900$ is a light color, and the websafe version is hex $9966CC$. A complement of this color would be $79, 53.855, 127.458$, and the grayscale version is $57, 0.007, 296.813$.

A 20% lighter version of the original color is $76, 51.652, 314.072$, and $36, 57.699, 312.015$ is the 20% darker color. If you saturate the color by 10%, you get $50, 69.963, 312.384$, and if you desaturate by 10%, it is $62, 44.788, 311.376$.

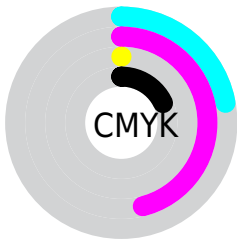
Distribution



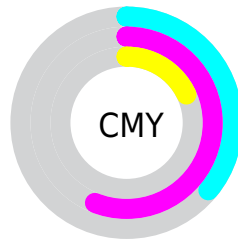
- Red (64%)
- Green (44%)
- Blue (82%)



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



- Cyan (22%)
- Magenta (46%)
- Yellow (0%)
- Black (18%)



- Cyan (36%)
- Magenta (56%)
- Yellow (18%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 57.492, 311.900 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, 57.492, 311.900 by changing the saturation by 10% instead.

 56, 57.492,
311.900


 56, 57.492,
311.900

 100, 57.492,
311.900

 46, 57.492,
311.900


 76, 57.492,
311.900

 36, 57.492,
311.900

 86, 57.492,
311.900

 26, 57.492,
311.900

 96, 57.492,
311.900

 16, 57.492,
311.900

 6, 57.492, 311.900

 0, 57.492, 311.900

56, 57.492,
311.900

56, 57.492,
311.900

50, 69.963,
312.384

62, 44.788,
311.376

45, 81.745,
312.767

68, 32.139,
310.851

41, 92.162,
312.964

74, 19.708,
310.346

37, 100.375,
312.866

80, 7.580, 309.869

34, 105.668,
312.376

86, 4.202, 129.490

34, 107.179,
312.162

92, 15.626,
129.086

97, 24.656,
127.489

98, 23.636,
119.091

■ 99, 23.188,
109.990

Harmonies

Complementary

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



56, 57.492, 311.900



79, 53.855, 127.458

Rectangle

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



56, 57.492, 311.900



56, 57.492, 1.900



56, 57.492, 131.900



56, 57.492, 181.900

Sweetspot

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



56, 57.491, 311.900



90, 19.714, 310.237



64, 29.974, 263.917



46, 13.650, 310.344



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, 57.491, 311.900



61, 81.609, 312.395



61, 61.892, 326.875



41, 6.757, 310.011



26, 91.042, 312.334



3, 26.832, 308.080

Inverse Universe

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



60, 44.487, 349.437



67, 62.013, 351.079



76, 62.137, 140.748



41, 5.365, 345.243



36, 61.979, 3.140



5, 21.661, 354.940

Previews

White Background



This preview shows how the CIELCh color 56, 57.492, 311.900 looks on a white background.

Color Contrast Check

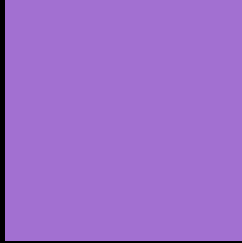
Large Text (above 18pt) WCAG AA ✓ Pass

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, 57.492, 311.900 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, 57.492, 311.900

Background



This preview shows how black text looks on a background with the CIELCh color 56, 57.492, 311.900.



This preview shows how white text looks on a background with the CIELCh color 56, 57.492, 311.900.

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



Original Color
56, 57.492, 311.900

Protanopia
56, 54.520, 286.308

Deuteranopia
56, 41.197, 281.282



Tritanopia
56, 10.442, 347.421

Trichromacy



Original Color
56, 57.492, 311.900

Protanomaly
56, 54.908, 294.838

Deuteranomaly
56, 45.818, 294.237

Tritanomaly
56, 26.886, 318.749

Monochromacy



Original Color
56, 57.492, 311.900

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 21.177, 310.533

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 57.492, 311.900 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, 112, 209)` looks like.

```
.text, #text, p{  
    color:rgb(162, 112, 209)  
}
```

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, 112, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 112, 209) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 57.492, 311.900 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, 112, 209) }
```

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

```
.border{ border-color:rgb(162, 112, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 112, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 112, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 112, 209);  
box-shadow:4px 4px 4px 4px rgb(162, 112,  
209) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 57.492, 311.900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 112, 209) }
```

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

```
.background{ background-color: rgb(162,  
112, 209) }
```

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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