

Converting Colors

CIELCh(56, 19.824, 309.038)

Have a look what the booklet for
CIELCh(56, 19.824, 309.038)
contains.

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Color

CIELCh(56, 19.906, 309.493)

Conversions

Conversions Part 1

Format	Color
Hex	9080A1
RGB	144, 128, 161
RGB Percent	56%, 50%, 63%
CMY	0.4356, 0.4983, 0.3689
CMYK	0.11, 0.21, 0.00, 0.37
HSL	269°, 15%, 57%
HSV	269°, 21%, 63%
XYZ	25.6245, 23.9124, 36.9477
YIQ	136.5460, -1.0570, 13.6550

Conversions

Conversions Part 2

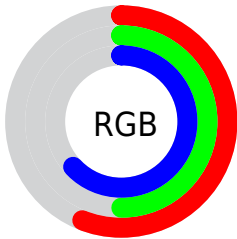
Format	Color
RYB	144, 128, 161
Decimal	9470113
CIELab	56.00, 12.66, -15.36
CIELCh	56, 19.906, 309.493
Yxy	23.9124, 0.2963, 0.2765
Android (android.graphics.Color)	4287660193 (0xFF9080A1)
YUV	136.5460, 12.0558, 6.5372
Hunter-Lab	48.9003, 7.9610, -10.5676

Details

The CIELCh color **56, 19.906, 309.493** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **64, 19.347, 127.614**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 19.885, 309.322**, and **36, 19.515, 309.196** is the 20% darker color. If you saturate the color by 10%, you get **51, 29.991, 310.021**, and if you desaturate by 10%, it is **61, 10.056, 308.997**.

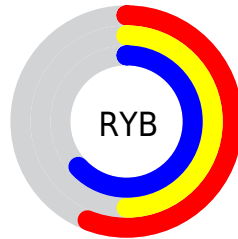
Distribution



Red (56%)

Green (50%)

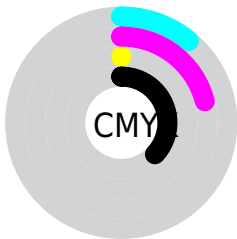
Blue (63%)



Red (56%)

Yellow (50%)

Blue (63%)

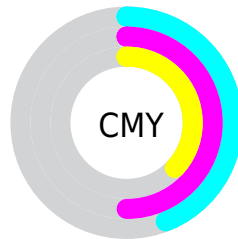


Cyan (11%)

Magenta (21%)

Yellow (0%)

Black (37%)



Cyan (44%)


Magenta (50%)


Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 19.906, 309.493 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, 19.906, 309.493 by changing the saturation by 10% instead.


 56, 19.906,
309.493


 56, 19.906,
309.493


 100, 19.906,
309.493


 46, 19.906,
309.493


 76, 19.906,
309.493

 36, 19.906,
309.493

 86, 19.906,
309.493

 26, 19.906,
309.493

 96, 19.906,
309.493

 16, 19.906,
309.493

 6, 19.906, 309.493

 0, 19.906, 309.493

56, 19.906,
309.493

56, 19.906,
309.493

51, 29.991,
310.021

61, 10.056,
308.997

46, 40.237,
310.571

66, 0.482, 308.359

42, 50.499,
311.116

71, 8.805, 128.167

37, 60.525,
311.615

76, 17.803,
127.803

33, 69.914,
312.001

81, 26.522,
127.485

29, 78.085,
312.182

86, 34.972,
127.207


26, 84.344,
312.045

91, 43.167,
126.966

24, 88.629,

95, 50.189,
126.445

311.676

 96, 49.148,
123.133

Harmonies

Complementary

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



56, 19.906, 309.493



64, 19.347, 127.614

Rectangle

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



56, 19.906, 309.493



56, 19.906, 359.493



56, 19.906, 129.493



56, 19.906, 179.493

Sweetspot

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



56, 19.904, 309.492



80, 7.068, 308.788



59, 10.754, 256.455



42, 4.682, 308.816



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



56, 19.904, 309.492



68, 30.236, 309.751



58, 22.441, 325.066



32, 5.469, 308.938



21, 82.182, 311.773



1, 8.332, 306.914

Inverse Universe

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



57, 16.163, 344.569



70, 24.475, 345.054



63, 22.412, 142.743



32, 4.461, 343.544



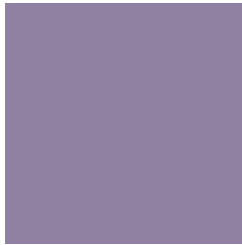
31, 56.015, 359.712



1, 6.645, 345.483

Previews

White Background



This preview shows how the CIELCh color 56, 19.906, 309.493 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, 19.906, 309.493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

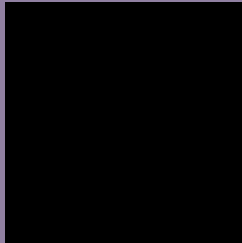
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 19.906, 309.493

Background



This preview shows how black text looks on a background with the CIELCh color 56, 19.906, 309.493.



This preview shows how white text looks on a background with the CIELCh color 56, 19.906, 309.493.

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

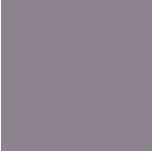
56, 19.906, 309.493

Protanopia

56, 17.826, 285.442

Deuteranopia

56, 16.727, 297.108



Tritanopia
56, 7.442, 322.312

Trichromacy



Original Color
56, 19.906, 309.493

Protanomaly
56, 18.385, 294.563

Deuteranomaly
56, 17.512, 301.775

Tritanomaly
56, 11.869, 314.038

Monochromacy



Original Color
56, 19.906, 309.493

Achromatopsia
57, 0.007, 296.813

Achromatomaly
56, 7.277, 309.413

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 19.906, 309.493 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(144, 128, 161)` looks like.

```
.text, #text, p{  
    color:rgb(144, 128, 161)  
}
```

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(144, 128, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 128, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 19.906, 309.493 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(144, 128, 161) }
```

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

```
.border{ border-color:rgb(144, 128, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 128, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 128, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 128, 161);  
box-shadow:4px 4px 4px 4px rgb(144, 128,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 19.906, 309.493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 128, 161) }
```

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

```
.background{ background-color: rgb(144,  
128, 161) }
```

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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