

Converting Colors

CIELCh(58, 16.901, 310.356)

Have a look what the booklet for
CIELCh(58, 16.901, 310.356)
contains.

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Color

CIELCh(58, 16.845, 309.848)

Conversions

Conversions Part 1

Format	Color
Hex	9486A2
RGB	148, 134, 162
RGB Percent	58%, 53%, 64%
CMY	0.4195, 0.4744, 0.3646
CMYK	0.09, 0.17, 0.00, 0.36
HSL	270°, 13%, 58%
HSV	270°, 17%, 64%
XYZ	27.2658, 25.9610, 37.7637
YIQ	141.3780, -0.6440, 11.6760

Conversions

Conversions Part 2

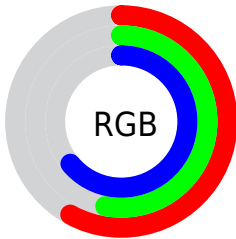
Format	Color
R_{YB}	148, 134, 162
Decimal	9733794
CIE _{Lab}	58.00, 10.79, -12.93
CIE _{LCh}	58, 16.845, 309.848
Yxy	25.9610, 0.2997, 0.2853
Android (android.graphics.Color)	4287923874 (0xFF9486A2)
YUV	141.3780, 10.1666, 5.8075
Hunter-Lab	50.9519, 6.3545, -8.2772

Details

The CIELCh color **58, 16.845, 309.848** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **65, 16.458, 128.307**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **78, 17.019, 309.693**, and **38, 16.898, 310.123** is the 20% darker color. If you saturate the color by 10%, you get **53, 26.934, 310.355**, and if you desaturate by 10%, it is **63, 7.001, 309.369**.

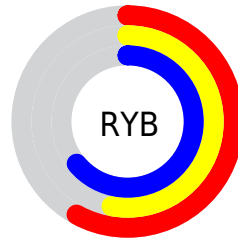
Distribution



Red (58%)

Green (53%)

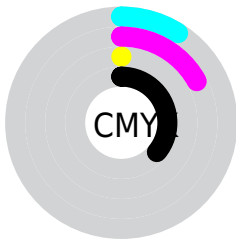
Blue (64%)



Red (58%)

Yellow (53%)

Blue (64%)

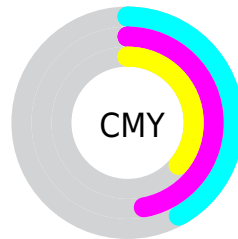


Cyan (9%)

Magenta (17%)

Yellow (0%)

Black (36%)



Cyan (42%)

Magenta (47%)

Yellow (36%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 16.845, 309.848 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 58, 16.845, 309.848 by changing the saturation by 10% instead.

 58, 16.845,
309.848


 58, 16.845,
309.848


 100, 16.845,
309.848

 48, 16.845,
309.848


 78, 16.845,
309.848

 38, 16.845,
309.848

 88, 16.845,
309.848

 28, 16.845,
309.848

 98, 16.845,
309.848

 18, 16.845,
309.848

 8, 16.845, 309.848

 0, 16.845, 309.848

58, 16.845,
309.848

58, 16.845,
309.848

53, 26.934,
310.355

63, 7.001, 309.369

48, 37.205,
310.885

68, 2.564, 128.996

43, 47.532,
311.417

73, 11.841,
128.581

39, 57.697,
311.915

78, 20.832,
128.236

35, 67.343,
312.320

83, 29.545,
127.933

31, 75.944,
312.549

88, 37.991,
127.669

28, 82.834,
312.499

93, 46.186,
127.438

25, 87.580,

95, 49.348,
125.654

312.107

■ 96, 48.372,
122.331

■ 25, 88.789,
312.009

Harmonies

Complementary

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



58, 16.845, 309.848



65, 16.458, 128.307

Rectangle

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



58, 16.845, 309.848



58, 16.845, 359.848



58, 16.845, 129.848



58, 16.845, 179.848

Sweetspot

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



58, 16.843, 309.847



82, 5.959, 309.266



61, 9.136, 255.949



43, 4.102, 309.298



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



58, 16.843, 309.847



72, 25.582, 310.052



59, 19.004, 324.896



32, 5.486, 309.463



22, 81.919, 312.113



1, 8.355, 307.404

Inverse Universe

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



59, 13.527, 345.096



73, 20.508, 345.492



64, 18.978, 142.971



32, 4.415, 344.361



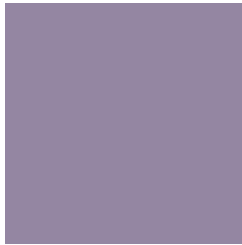
31, 55.839, 1.109



1, 6.583, 346.263

Previews

White Background



This preview shows how the CIELCh color 58, 16.845, 309.848 looks on a white background.

Color Contrast Check

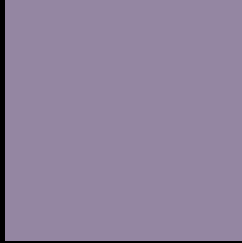
Large Text (above 18pt) WCAG AA ✓ Pass

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 58, 16.845, 309.848 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

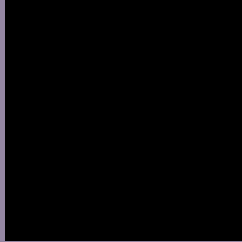
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 16.845, 309.848

Background



This preview shows how black text looks on a background with the CIELCh color 58, 16.845, 309.848.



This preview shows how white text looks on a background with the CIELCh color 58, 16.845, 309.848.

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


58, 16.845, 309.848

Protanopia

58, 15.397, 286.608

Deuteranopia

58, 15.014, 300.284



Tritanopia
58, 6.700, 322.007

Trichromacy



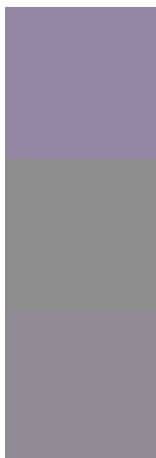
Original Color
58, 16.845, 309.848

Protanomaly
58, 15.404, 294.633

Deuteranomaly
58, 15.796, 304.005

Tritanomaly
58, 10.072, 315.751

Monochromacy



Original Color
58, 16.845, 309.848

Achromatopsia
59, 0.008, 296.813

Achromatomaly
58, 6.694, 310.931

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 16.845, 309.848 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(148, 134, 162)` looks like.

```
.text, #text, p{  
    color:rgb(148, 134, 162)  
}
```

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(148, 134, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 134, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 16.845, 309.848 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(148, 134, 162) }
```

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

```
.border{ border-color:rgb(148, 134, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 134, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 134, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 134, 162);  
box-shadow:4px 4px 4px 4px rgb(148, 134,  
162) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 16.845, 309.848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 134, 162) }
```

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

```
.background{ background-color: rgb(148,  
134, 162) }
```

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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