

Converting Colors

CIELCh(58, 17.683, 312.674)

Have a look what the booklet for
CIELCh(58, 17.683, 312.674)
contains.

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Color

CIELCh(58, 17.765, 312.775)

Conversions

Conversions Part 1

Format	Color
Hex	9685A2
RGB	150, 133, 162
RGB Percent	59%, 52%, 64%
CMY	0.4108, 0.4775, 0.3638
CMYK	0.07, 0.18, 0.00, 0.36
HSL	275°, 14%, 58%
HSV	275°, 18%, 64%
XYZ	27.5823, 25.9610, 37.8502
YIQ	141.3890, 0.8230, 12.6230

Conversions

Conversions Part 2

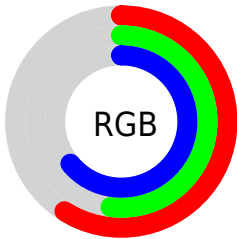
Format	Color
RYB	150, 133, 162
Decimal	9864610
CIELab	58.00, 12.06, -13.04
CIELCh	58, 17.765, 312.775
Yxy	25.9610, 0.3018, 0.2841
Android (android.graphics.Color)	4288054690 (0xFF9685A2)
YUV	141.3890, 10.1612, 7.5518
Hunter-Lab	50.9519, 7.4634, -8.3779

Details

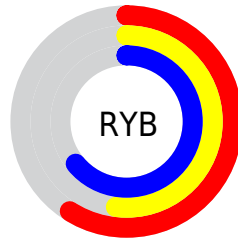
The CIELCh color $58, 17.765, 312.775$ is a light color, and the websafe version is hex `9999CC`. A complement of this color would be $65, 17.424, 131.261$, and the grayscale version is $59, 0.008, 296.813$.

A 20% lighter version of the original color is $78, 17.893, 312.441$, and $38, 17.875, 313.248$ is the 20% darker color. If you saturate the color by 10%, you get $53, 27.993, 313.234$, and if you desaturate by 10%, it is $63, 7.734, 312.329$.

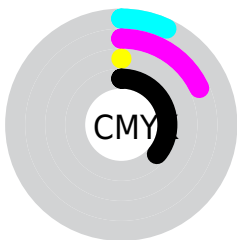
Distribution



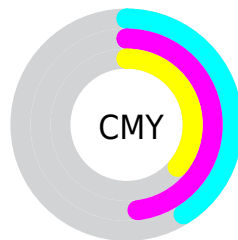
- Red (59%)
- Green (52%)
- Blue (64%)



- Red (59%)
- Yellow (52%)
- Blue (64%)



- Cyan (7%)
- Magenta (18%)
- Yellow (0%)
- Black (36%)





- Cyan (41%)
- Magenta (48%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 17.765, 312.775 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, 17.765, 312.775 by changing the saturation by 10% instead.


 58, 17.765,
312.775


 58, 17.765,
312.775


 100, 17.765,
312.775


 48, 17.765,
312.775


 78, 17.765,
312.775

 38, 17.765,
312.775

 88, 17.765,
312.775

 28, 17.765,
312.775

 98, 17.765,
312.775

 18, 17.765,
312.775

 8, 17.765, 312.775

 0, 17.765, 312.775

■ 58, 17.765,
312.775

■ 58, 17.765,
312.775

■ 53, 27.993,
313.234

■ 63, 7.734, 312.329

■ 48, 38.333,
313.699

■ 68, 2.044, 132.001

■ 44, 48.623,
314.144

■ 73, 11.549,
131.579

■ 40, 58.608,
314.533

■ 78, 20.775,
131.238

■ 36, 67.900,
314.811

■ 82, 29.725,
130.935

■ 32, 75.975,
314.903

■ 87, 38.407,
130.667

■ 29, 82.231,
314.723

■ 92, 46.833,
130.430

■ 27, 86.427,

■ 95, 50.493,
129.112

314.240

■ 95, 49.536,
126.556

■ 27, 87.270,
314.143

Harmonies

Complementary

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



58, 17.765, 312.775



65, 17.424, 131.261

Rectangle

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



58, 17.765, 312.775



58, 17.765, 2.775



58, 17.765, 132.775



58, 17.765, 182.775

Sweetspot

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



58, 17.763, 312.774



82, 6.075, 312.204



60, 10.404, 266.403



43, 4.181, 312.235



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, 17.763, 312.774



72, 26.009, 312.934



59, 18.694, 327.766



32, 5.589, 312.391



24, 80.451, 314.244



1, 8.497, 310.148

Inverse Universe

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



59, 13.296, 350.201



73, 19.474, 350.576



64, 18.666, 145.647



32, 4.177, 349.336



30, 55.603, 9.260



1, 6.258, 350.985

Previews

White Background



This preview shows how the CIELCh color 58, 17.765, 312.775 looks on a white background.

Color Contrast Check

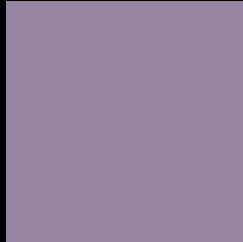
Large Text (above 18pt) WCAG AA ✓ Pass

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, 17.765, 312.775 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

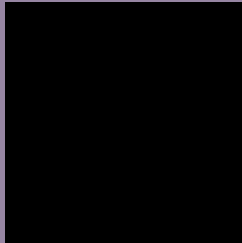
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 17.765, 312.775

Background



This preview shows how black text looks on a background with the CIELCh color 58, 17.765, 312.775.



This preview shows how white text looks on a background with the CIELCh color 58, 17.765, 312.775.

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, 17.765, 312.775

Protanopia

58, 15.962, 286.876

Deuteranopia

58, 15.014, 300.284



Tritanopia
58, 7.829, 327.194

Trichromacy



Original Color
58, 17.765, 312.775

Protanomaly
58, 16.616, 297.059

Deuteranomaly
58, 15.878, 305.316

Tritanomaly
58, 11.603, 318.628

Monochromacy



Original Color
58, 17.765, 312.775

Achromatopsia
59, 0.008, 296.813

Achromatomaly
59, 6.157, 312.735

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 17.765, 312.775 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(150, 133, 162)` looks like.

```
.text, #text, p{  
    color:rgb(150, 133, 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(150, 133, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 133, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 17.765, 312.775 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(150, 133, 162) }
```

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

```
.border{ border-color:rgb(150, 133, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 133, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 133, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 133, 162);  
box-shadow:4px 4px 4px 4px rgb(150, 133,  
162) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 17.765, 312.775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 133, 162) }
```

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

```
.background{ background-color: rgb(150,  
133, 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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