

# Converting Colors

CIELCh(58, 28.704, 315.388)

Have a look what the booklet for  
CIELCh(58, 28.704, 315.388)  
contains.

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# Color

**CIELCh(58, 29.083, 315.574)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9F80AF
RGB	159, 128, 175
RGB Percent	62%, 50%, 69%
CMY	0.3759, 0.4975, 0.3132
CMYK	0.09, 0.27, 0.00, 0.31
HSL	280°, 23%, 59%
HSV	280°, 27%, 69%
XYZ	29.8161, 25.9610, 44.0719
YIQ	142.6270, 3.3890, 21.1890

# Conversions

## Conversions Part 2

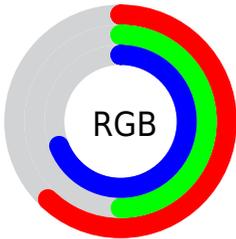
<b>Format</b>	<b>Color</b>
<b>RYB</b>	159, 128, 175
Decimal	10453167
CIELab	58.00, 20.77, -20.36
CIELCh	58, 29.083, 315.574
Yxy	25.9610, 0.2986, 0.2600
Android (android.graphics.Color)	4288643247 (0xFF9F80AF)
YUV	142.6270, 15.9599, 14.3591
Hunter-Lab	50.9519, 15.2888, -15.6177

# Details

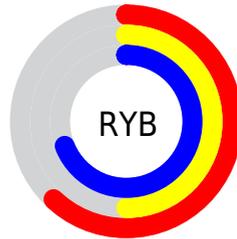
The CIELCh color **58, 29.083, 315.574** is a light color, and the websafe version is hex **996699**. A complement of this color would be **68, 28.417, 133.227**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **78, 29.260, 315.375**, and **38, 29.220, 315.911** is the 20% darker color. If you saturate the color by 10%, you get **53, 40.146, 316.009**, and if you desaturate by 10%, it is **63, 18.082, 315.134**.

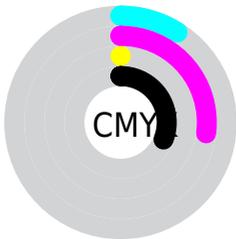
# Distribution



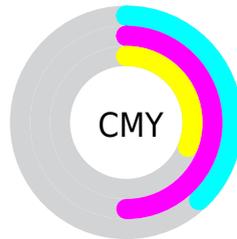
- Red (62%)
- Green (50%)
- Blue (69%)



- Red (62%)
- Yellow (50%)
- Blue (69%)



- Cyan (9%)
- Magenta (27%)
- Yellow (0%)
- Black (31%)



- Cyan (38%)
- Magenta (50%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 29.083, 315.574 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, 29.083, 315.574 by changing the saturation by 10% instead.

 58, 29.083,  
315.574

 58, 29.083,  
315.574

 100, 29.083,  
315.574

 48, 29.083,  
315.574

 78, 29.083,  
315.574

 38, 29.083,  
315.574

 88, 29.083,  
315.574

 28, 29.083,  
315.574

 98, 29.083,  
315.574

 18, 29.083,  
315.574

 8, 29.083, 315.574

 0, 29.083, 315.574

58, 29.083,  
315.574

58, 29.083,  
315.574

53, 40.146,  
316.009

63, 18.082,  
315.134

48, 51.086,  
316.415

68, 7.265, 314.698

73, 3.305, 134.365

44, 61.607,  
316.757

78, 13.594,  
133.958

40, 71.287,  
316.984

83, 23.589,  
133.612

37, 79.581,  
317.033

88, 33.288,  
133.301

34, 85.906,  
316.831

94, 42.700,  
133.022

32, 89.927,  
316.330

95, 44.216,  
131.135

31, 91.024,

316.159

 95, 43.321,  
128.597

# Harmonies

# Complementary

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



58, 29.083, 315.574



68, 28.417, 133.227

# Rectangle

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



58, 29.083, 315.574



58, 29.083, 5.574



58, 29.083, 135.574



58, 29.083, 185.574

# Sweetspot

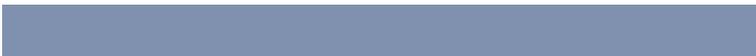
The Sweet Spot groups the original color and five complimentary colors.



58, 29.081, 315.574



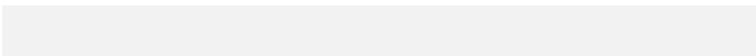
85, 10.508, 314.755



60, 17.992, 273.782



45, 7.540, 314.820



96, 0.011, 296.813



48, 0.006, 296.813



# Same Dimension

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



58, 29.081, 315.574



70, 42.970, 315.824



59, 28.547, 330.448



34, 5.982, 314.806



26, 81.322, 316.282



1, 12.231, 311.329



# Inverse Universe

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



59, 20.685, 356.004



71, 30.644, 356.762



67, 28.475, 146.941



34, 4.209, 354.022



31, 57.937, 16.394

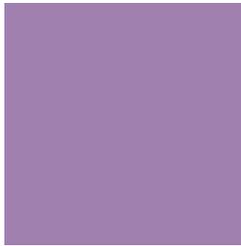


2, 8.453, 357.524



# Previews

## White Background



This preview shows how the CIELCh color 58, 29.083, 315.574 looks on a white background.

## Color Contrast Check

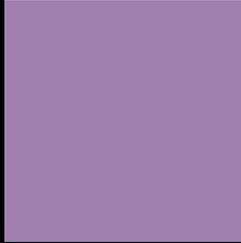
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

# Black Background



This preview shows how the CIE LCh color 58, 29.083, 315.574 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

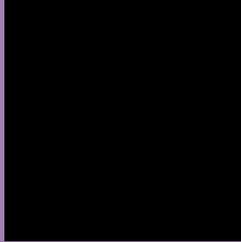
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

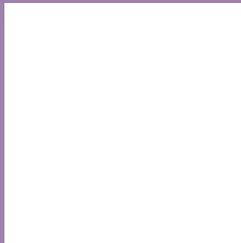
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 58, 29.083, 315.574

## Background



This preview shows how black text looks on a background with the CIELCh color 58, 29.083, 315.574.



This preview shows how white text looks on a background with the CIELCh color 58, 29.083, 315.574.

# 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, 29.083, 315.574

**Protanopia**  
58, 25.132, 285.366

**Deuteranopia**  
58, 20.482, 291.529



**Tritanopia**  
58, 9.709, 344.694

# Trichromacy



**Original Color**  
58, 29.083, 315.574

**Protanomaly**  
58, 26.315, 296.876

**Deuteranomaly**  
58, 23.134, 301.528

**Tritanomaly**  
58, 16.017, 326.401

# Monochromacy



**Original Color**  
58, 29.083, 315.574

**Achromatopsia**  
59, 0.008, 296.813

**Achromatomaly**  
59, 10.561, 314.468

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 58, 29.083, 315.574 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(159, 128, 175)` looks like.

```
.text, #text, p{  
    color:rgb(159, 128, 175)  
}
```

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(159, 128, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 128, 175) }
```

## Border

The CSS property to change the border of an element to CIELCh 58, 29.083, 315.574 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(159, 128, 175) }
```

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

```
.border{ border-color:rgb(159, 128, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 128, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 128, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 128, 175);  
box-shadow:4px 4px 4px 4px rgb(159, 128,  
175) }
```

# Background

The CSS property to change the background color of an element to CIELCh 58, 29.083, 315.574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 128, 175) }
```

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

```
.background{ background-color: rgb(159,  
128, 175) }
```

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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