

# Converting Colors

CIELCh(58, 21.030, 343.797)

Have a look what the booklet for  
CIELCh(58, 21.030, 343.797)  
contains.

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**Color**

**CIELCh(58, 21.185, 343.974)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AA7F96
RGB	170, 127, 150
RGB Percent	67%, 50%, 59%
CMY	0.3330, 0.5016, 0.4114
CMYK	0.00, 0.25, 0.12, 0.33
HSL	328°, 20%, 58%
HSV	328°, 25%, 67%
XYZ	29.7088, 25.9610, 32.3354
YIQ	142.4790, 18.2450, 16.2690

# Conversions

## Conversions Part 2

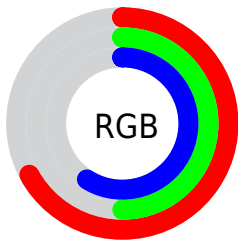
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	170, 127, 150
Decimal	11173782
CIE Lab	58.00, 20.36, -5.85
CIE LCh	58, 21.185, 343.974
Yxy	25.9610, 0.3376, 0.2950
Android (android.graphics.Color)	4289363862 (0xFFAA7F96)
YUV	142.4790, 3.7079, 24.1359
Hunter-Lab	50.9519, 14.9129, -1.9606

# Details

The CIELCh color  $58, 21.185, 343.974$  is a dark color, and the websafe version is hex `CC9999`. A complement of this color would be  $66, 20.640, 159.634$ , and the grayscale version is  $59, 0.008, 296.813$ .

A 20% lighter version of the original color is  $78, 21.248, 344.243$ , and  $38, 21.335, 343.945$  is the 20% darker color. If you saturate the color by 10%, you get  $54, 29.619, 345.014$ , and if you desaturate by 10%, it is  $63, 12.710, 343.042$ .

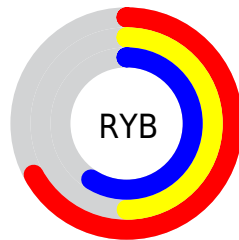
# Distribution



Red (67%)

Green (50%)

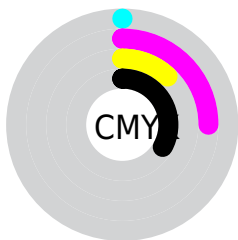
Blue (59%)



Red (67%)

Yellow (50%)

Blue (59%)

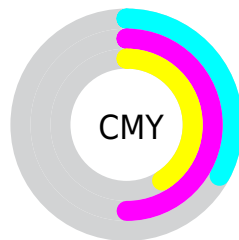


Cyan (0%)

Magenta (25%)

Yellow (12%)

Black (33%)



Cyan (33%)

Magenta (50%)


Yellow (41%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 21.185, 343.974 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, 21.185, 343.974 by changing the saturation by 10% instead.




 58, 21.185,  
343.974


 58, 21.185,  
343.974


 100, 21.185,  
343.974


 48, 21.185,  
343.974


 78, 21.185,  
343.974

 38, 21.185,  
343.974

 88, 21.185,  
343.974

 28, 21.185,  
343.974

 98, 21.185,  
343.974

 18, 21.185,  
343.974

 8, 21.185, 343.974

 0, 21.185, 343.974

58, 21.185,  
343.974

58, 21.185,  
343.974

54, 29.619,  
345.014

63, 12.710,  
343.042

50, 37.795,  
346.193

67, 4.347, 342.154

72, 3.819, 161.563

46, 45.401,  
347.566

77, 11.741,  
160.800

43, 52.042,  
349.204

82, 19.402,  
160.139

40, 57.297,  
351.211

86, 26.797,  
159.532

38, 60.824,  
353.717


91, 33.937,  
158.970

37, 62.534,  
356.863

94, 36.235,  
160.972

37, 63.084,

358.470

 94, 33.653,  
166.253

# Harmonies

# Complementary

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



58, 21.185, 343.974



66, 20.640, 159.634

# Rectangle

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



58, 21.185, 343.974



58, 21.185, 33.974



58, 21.185, 163.974



58, 21.185, 213.974

# Sweetspot

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



58, 21.183, 343.976



84, 8.199, 342.413



56, 25.700, 308.572



44, 5.883, 342.543



95, 0.011, 296.813



47, 0.006, 296.813





# Same Dimension

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



58, 21.183, 343.976



71, 31.258, 344.506



57, 17.767, 17.451



33, 4.638, 342.513



31, 57.009, 357.989



2, 7.963, 345.793



# Inverse Universe

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



58, 21.183, 343.976



71, 31.258, 344.506



67, 15.277, 193.640



33, 4.638, 342.513



31, 57.009, 357.989

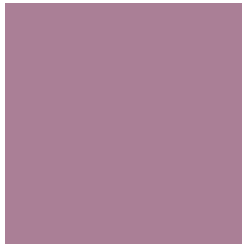


2, 7.963, 345.793



# Previews

## White Background



This preview shows how the CIELCh color 58, 21.185, 343.974 looks on a white background.

## Color Contrast Check

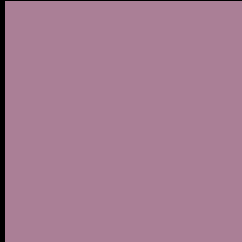
Large Text (above 18pt) WCAG AA ✓ Pass

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, 21.185, 343.974 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

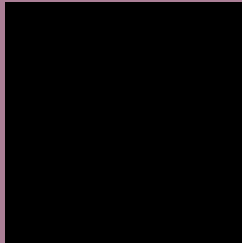
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 58, 21.185, 343.974

## Background



This preview shows how black text looks on a background with the CIELCh color 58, 21.185, 343.974.



This preview shows how white text looks on a background with the CIELCh color 58, 21.185, 343.974.

# 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, 21.185, 343.974

### Protanopia

58, 10.246, 287.226

### Deuteranopia

58, 8.512, 327.040





**Tritanopia**  
58, 17.000, 1.967

# Trichromacy



**Original Color**  
58, 21.185, 343.974

**Protanomaly**  
58, 12.106, 317.387

**Deuteranomaly**  
58, 13.043, 336.717

**Tritanomaly**  
58, 18.323, 353.978

# Monochromacy



**Original Color**  
58, 21.185, 343.974

**Achromatopsia**  
59, 0.008, 296.813

**Achromatomaly**  
59, 8.091, 341.197

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 58, 21.185, 343.974 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(170, 127, 150)` looks like.

```
.text, #text, p{  
    color:rgb(170, 127, 150)  
}
```

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(170, 127, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 127, 150) }
```

## Border

The CSS property to change the border of an element to CIELCh 58, 21.185, 343.974 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(170, 127, 150) }
```

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

```
.border{ border-color:rgb(170, 127, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 127, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 127, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 127, 150);  
box-shadow:4px 4px 4px 4px rgb(170, 127,  
150) }
```

# Background

The CSS property to change the background color of an element to CIELCh 58, 21.185, 343.974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 127, 150) }
```

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

```
.background{ background-color: rgb(170,  
127, 150) }
```

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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