

# Converting Colors

CIELCh(58, 19.954, 338.501)

Have a look what the booklet for  
CIELCh(58, 19.954, 338.501)  
contains.

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# **Color**

**CIELCh(58, 20.394, 337.701)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A68099
RGB	166, 128, 153
RGB Percent	65%, 50%, 60%
CMY	0.3478, 0.4969, 0.3989
CMYK	0.00, 0.23, 0.08, 0.35
HSL	321°, 18%, 58%
HSV	321°, 23%, 65%
XYZ	29.3184, 25.9610, 33.7287
YIQ	142.2120, 14.6230, 15.8310

# Conversions

## Conversions Part 2

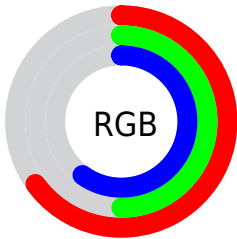
<b>Format</b>	<b>Color</b>
<b>RYB</b>	166, 128, 153
Decimal	10911897
CIELab	58.00, 18.87, -7.74
CIElCh	58, 20.394, 337.701
Yxy	25.9610, 0.3294, 0.2917
Android (android.graphics.Color)	4289101977 (0xFFA68099)
YUV	142.2120, 5.3185, 20.8621
Hunter-Lab	50.9519, 13.5453, -3.5819

# Details

The CIELCh color **58, 20.394, 337.701** is a light color, and the websafe version is hex **996699**. A complement of this color would be **65, 20.154, 154.273**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **78, 20.202, 337.704**, and **38, 20.824, 337.926** is the 20% darker color. If you saturate the color by 10%, you get **54, 29.324, 338.532**, and if you desaturate by 10%, it is **62, 11.407, 336.926**.

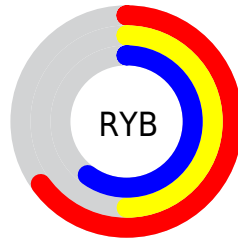
# Distribution



Red (65%)

Green (50%)

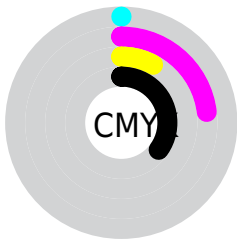
Blue (60%)



Red (65%)

Yellow (50%)

Blue (60%)

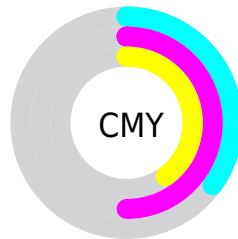


Cyan (0%)

Magenta (23%)

Yellow (8%)

Black (35%)



Cyan (35%)

Magenta (50%)


Yellow (40%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 20.394, 337.701 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, 20.394, 337.701 by changing the saturation by 10% instead.





 58, 20.394,  
337.701


 58, 20.394,  
337.701


 100, 20.394,  
337.701


 48, 20.394,  
337.701


 78, 20.394,  
337.701

 38, 20.394,  
337.701

 88, 20.394,  
337.701

 28, 20.394,  
337.701

 98, 20.394,  
337.701

 18, 20.394,  
337.701

 8, 20.394, 337.701

 0, 20.394, 337.701

58, 20.394,  
337.701

58, 20.394,  
337.701

54, 29.324,  
338.532

62, 11.407,  
336.926

50, 37.986,  
339.435

67, 2.517, 336.118

72, 6.191, 155.624

46, 46.071,  
340.435

76, 14.667,  
154.970

43, 53.193,  
341.566

81, 22.887,  
154.377

40, 58.922,  
342.879

86, 30.847,  
153.823

38, 62.872,  
344.448


90, 38.552,  
153.304

37, 64.839,  
346.361

93, 42.381,  
154.015

36, 65.443,

347.902

 93, 40.273,  
156.871

# Harmonies

# Complementary

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



58, 20.394, 337.701



65, 20.154, 154.273

# Rectangle

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



58, 20.394, 337.701



58, 20.394, 27.701



58, 20.394, 157.701



58, 20.394, 207.701

# Sweetspot

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



58, 20.392, 337.702



83, 7.669, 336.490



56, 22.362, 304.417



44, 5.026, 336.533



94, 0.011, 296.813



46, 0.006, 296.813





# Same Dimension

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



58, 20.392, 337.702



72, 29.911, 338.079



57, 15.807, 8.102



33, 5.056, 336.656



32, 60.157, 347.646



2, 8.658, 339.553



# Inverse Universe

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



58, 20.392, 337.702



72, 29.911, 338.079



65, 14.290, 183.876



33, 5.056, 336.656



32, 60.157, 347.646

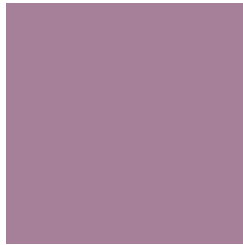


2, 8.658, 339.553



# Previews

## White Background



This preview shows how the CIELCh color 58, 20.394, 337.701 looks on a white background.

## Color Contrast Check

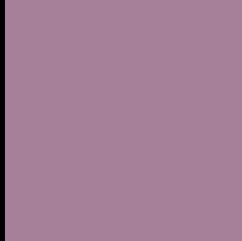
Large Text (above 18pt) WCAG AA ✓ Pass

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, 20.394, 337.701 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

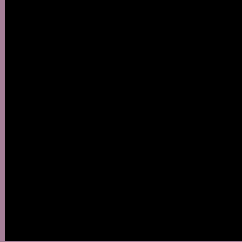
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 58, 20.394, 337.701

## Background



This preview shows how black text looks on a background with the CIELCh color 58, 20.394, 337.701.



This preview shows how white text looks on a background with the CIELCh color 58, 20.394, 337.701.

# 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, 20.394, 337.701

### Protanopia

58, 11.966, 286.299

### Deuteranopia

58, 10.237, 317.717





**Tritanopia**  
58, 15.260, 357.091

# Trichromacy



**Original Color**  
58, 20.394, 337.701

**Protanomaly**  
58, 13.908, 310.455

**Deuteranomaly**  
58, 13.762, 329.210

**Tritanomaly**  
58, 16.824, 348.753

# Monochromacy



**Original Color**  
58, 20.394, 337.701

**Achromatopsia**  
59, 0.008, 296.813

**Achromatomaly**  
59, 7.211, 335.136

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 58, 20.394, 337.701 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(166, 128, 153)` looks like.

```
.text, #text, p{  
    color:rgb(166, 128, 153)  
}
```

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(166, 128, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 128, 153) }
```

## Border

The CSS property to change the border of an element to CIELCh 58, 20.394, 337.701 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(166, 128, 153) }
```

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

```
.border{ border-color:rgb(166, 128, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 128, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 128, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 128, 153);  
box-shadow:4px 4px 4px 4px rgb(166, 128,  
153) }
```

# Background

The CSS property to change the background color of an element to CIELCh 58, 20.394, 337.701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 128, 153) }
```

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

```
.background{ background-color: rgb(166,  
128, 153) }
```

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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