

Converting Colors

CIELCh(58, 38.976, 310.330)

Have a look what the booklet for
CIELCh(58, 38.976, 310.330)
contains.

CIELCh(58, 39.217, 310.258)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(58, 39.217, 310.258)

Conversions

Conversions Part 1

Format	Color
Hex	9E7EC0
RGB	158, 126, 192
RGB Percent	62%, 49%, 75%
CMY	0.3807, 0.5062, 0.2474
CMYK	0.18, 0.34, 0.00, 0.25
HSL	269°, 34%, 62%
HSV	269°, 34%, 75%
XYZ	31.0365, 25.9610, 53.1901
YIQ	143.0920, -2.1140, 27.3100

Conversions

Conversions Part 2

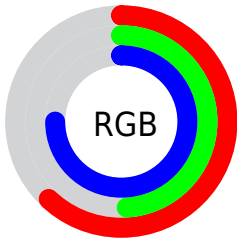
Format	Color
RYB	158, 126, 192
Decimal	10387136
CIELab	58.00, 25.34, -29.93
CIELCh	58, 39.217, 310.258
Yxy	25.9610, 0.2817, 0.2356
Android (android.graphics.Color)	4288577216 (0xFF9E7EC0)
YUV	143.0920, 24.1116, 13.0743
Hunter-Lab	50.9519, 19.5643, -26.2281

Details

The CIELCh color **58, 39.217, 310.258** is a light color, and the websafe version is hex **996699**. A complement of this color would be **74, 37.297, 126.926**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **78, 39.351, 309.965**, and **38, 39.418, 310.243** is the 20% darker color. If you saturate the color by 10%, you get **52, 51.077, 310.817**, and if you desaturate by 10%, it is **64, 27.480, 309.711**.

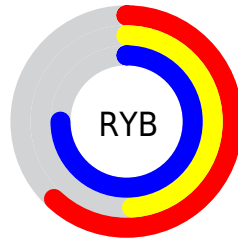
Distribution



Red (62%)

Green (49%)

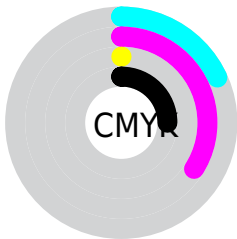
Blue (75%)



Red (62%)

Yellow (49%)

Blue (75%)

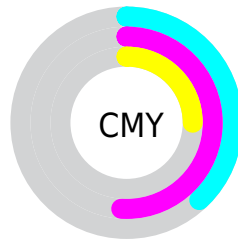


Cyan (18%)

Magenta (34%)

Yellow (0%)

Black (25%)



Cyan (38%)


Magenta (51%)


Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 39.217, 310.258 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, 39.217, 310.258 by changing the saturation by 10% instead.


 58, 39.217,
310.258


 58, 39.217,
310.258


 100, 39.217,
310.258


 48, 39.217,
310.258


 78, 39.217,
310.258


 38, 39.217,
310.258

 88, 39.217,
310.258

 28, 39.217,
310.258

 98, 39.217,
310.258

 18, 39.217,
310.258

 8, 39.217, 310.258

 0, 39.217, 310.258

58, 39.217,
310.258

58, 39.217,
310.258

52, 51.077,
310.817

64, 27.480,
309.711

47, 62.843,
311.355

69, 15.991,
309.195

42, 74.143,
311.817

75, 4.810, 308.707

38, 84.401,
312.122

81, 6.038, 128.322

34, 92.844,
312.161

87, 16.549,
127.931


31, 98.679,
311.817

92, 26.728,
127.593

30, 101.122,
311.528

97, 33.579,
125.811

97, 32.556,
119.764

 98, 31.937,
113.284

Harmonies

Complementary

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



58, 39.217, 310.258



74, 37.297, 126.926

Rectangle

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



58, 39.217, 310.258



58, 39.217, 0.258



58, 39.217, 130.258



58, 39.217, 180.258

Sweetspot

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



58, 39.215, 310.258



91, 13.691, 308.987



64, 20.572, 259.110



48, 9.357, 309.056



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



58, 39.215, 310.258



69, 58.342, 310.665



61, 43.294, 325.799



38, 6.307, 308.949



24, 88.516, 311.677



2, 20.163, 304.822

Inverse Universe

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



60, 31.477, 346.050



73, 46.393, 346.922



72, 43.283, 141.589



38, 5.143, 343.564



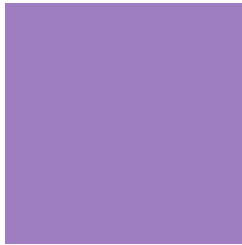
34, 60.222, 0.089



3, 15.967, 351.423

Previews

White Background



This preview shows how the CIELCh color 58, 39.217, 310.258 looks on a white background.

Color Contrast Check

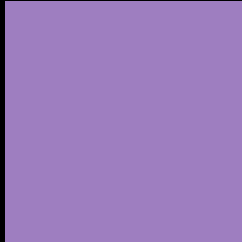
Large Text (above 18pt) WCAG AA ✓ Pass

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, 39.217, 310.258 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

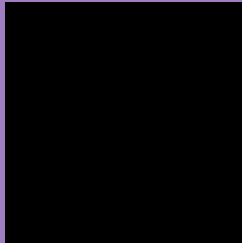
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 39.217, 310.258

Background



This preview shows how black text looks on a background with the CIELCh color 58, 39.217, 310.258.




This preview shows how white text looks on a background with the CIELCh color 58, 39.217, 310.258.

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





Tritanopia
58, 8.587, 333.586

Trichromacy



Original Color
58, 39.217, 310.258

Protanomaly
58, 37.010, 294.298

Deuteranomaly
58, 32.485, 295.540

Tritanomaly
58, 19.382, 315.798

Monochromacy



Original Color
58, 39.217, 310.258

Achromatopsia
59, 0.008, 296.813

Achromatomaly
59, 14.297, 308.296

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 39.217, 310.258 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(158, 126, 192)` looks like.

```
.text, #text, p{  
    color:rgb(158, 126, 192)  
}
```

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(158, 126, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 126, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 39.217, 310.258 is called "border". The border property can be set on classes, ids or directly on the HTML element.

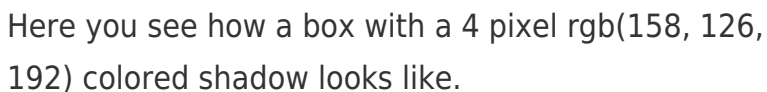
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(158, 126, 192) }
```

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

```
.border{ border-color:rgb(158, 126, 192) }
```

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



Here you see how a box with a 4 pixel `rgb(158, 126, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 126, 192); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 126, 192); box-shadow:4px 4px 4px 4px rgb(158, 126, 192) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 39.217, 310.258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 126, 192) }
```

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

```
.background{ background-color: rgb(158,  
126, 192) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor