

Converting Colors

CIELCh(58, 38.568, 304.467)

Have a look what the booklet for
CIELCh(58, 38.568, 304.467)
contains.

CIELCh(58, 38.284, 304.244)	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, 38.284, 304.244)

Conversions

Conversions Part 1

Format	Color
Hex	9581C3
RGB	149, 129, 195
RGB Percent	58%, 51%, 76%
CMY	0.4164, 0.4948, 0.2360
CMYK	0.24, 0.34, 0.00, 0.24
HSL	258°, 35%, 63%
HSV	258°, 34%, 76%
XYZ	30.0201, 25.9610, 54.9509
YIQ	142.5040, -9.2660, 24.7660

Conversions

Conversions Part 2

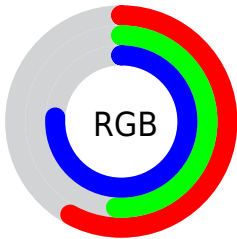
Format	Color
R_{YB}	149, 129, 195
Decimal	9798083
CIE _{Lab}	58.00, 21.54, -31.65
CIE _{LCh}	58, 38.284, 304.244
Yxy	25.9610, 0.2706, 0.2340
Android (android.graphics.Color)	4287988163 (0xFF9581C3)
YUV	142.5040, 25.8805, 5.6970
Hunter-Lab	50.9519, 16.0038, -28.2770

Details

The CIELCh color **58, 38.284, 304.244** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **76, 35.748, 119.969**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **78, 38.375, 304.171**, and **38, 37.995, 304.201** is the 20% darker color. If you saturate the color by 10%, you get **52, 50.350, 305.107**, and if you desaturate by 10%, it is **64, 26.529, 303.455**.

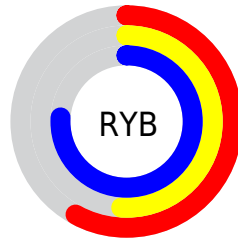
Distribution



Red (58%)

Green (51%)

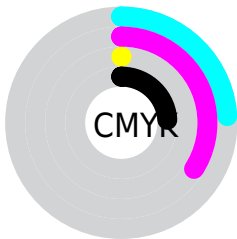
Blue (76%)



Red (58%)

Yellow (51%)

Blue (76%)

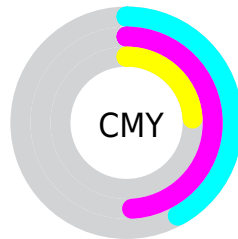


Cyan (24%)

Magenta (34%)

Yellow (0%)

Black (24%)



Cyan (42%)

Magenta (49%)

Yellow (24%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 38.284, 304.244 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, 38.284, 304.244 by changing the saturation by 10% instead.

 58, 38.284,
304.244

 58, 38.284,
304.244

 100, 38.284,
304.244

 48, 38.284,
304.244

 78, 38.284,
304.244

 38, 38.284,
304.244

 88, 38.284,
304.244

 28, 38.284,
304.244

 98, 38.284,
304.244

 18, 38.284,
304.244

 8, 38.284, 304.244

 0, 38.284, 304.244

58, 38.284,
304.244

58, 38.284,
304.244

52, 50.350,
305.107

64, 26.529,
303.455

46, 62.585,
306.018

70, 15.149,
302.750

40, 74.686,
306.923

76, 4.159, 302.121

82, 6.447, 121.598

35, 86.089,
307.726

89, 16.684,
121.122

31, 95.881,
308.278

95, 26.571,
120.714

28, 102.915,
308.399

98, 30.645,
115.730

26, 106.037,
308.332

99, 30.316,
107.872

Harmonies

Complementary

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



58, 38.284, 304.244



76, 35.748, 119.969

Rectangle

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



58, 38.284, 304.244



58, 38.284, 354.244



58, 38.284, 124.244



58, 38.284, 174.244

Sweetspot

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



58, 38.283, 304.244



92, 13.394, 302.509



69, 18.331, 235.064



48, 9.235, 302.601



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



58, 38.283, 304.244



68, 57.889, 304.909



61, 41.362, 320.297



38, 6.118, 302.459



21, 91.758, 308.462



2, 19.743, 299.261

Inverse Universe

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



62, 35.288, 336.885



74, 52.395, 337.544



74, 40.746, 136.993



38, 5.843, 335.010



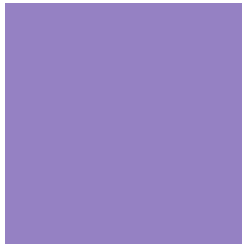
35, 65.351, 344.870



4, 18.213, 340.405

Previews

White Background



This preview shows how the CIELCh color 58, 38.284, 304.244 looks on a white background.

Color Contrast Check

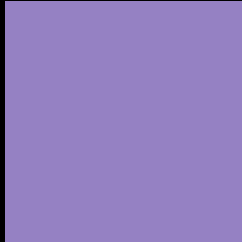
Large Text (above 18pt) WCAG AA ✓ Pass

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, 38.284, 304.244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

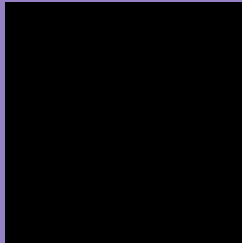
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 38.284, 304.244

Background



This preview shows how black text looks on a background with the CIELCh color 58, 38.284, 304.244.



This preview shows how white text looks on a background with the CIELCh color 58, 38.284, 304.244.

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, 38.284, 304.244

Protanopia

58, 37.116, 285.804

Deuteranopia

58, 31.471, 284.403



Tritanopia
58, 6.321, 297.813

Trichromacy



Original Color
58, 38.284, 304.244

Protanomaly
58, 36.970, 292.343

Deuteranomaly
58, 33.547, 292.272

Tritanomaly
58, 17.957, 301.467

Monochromacy



Original Color
58, 38.284, 304.244

Achromatopsia
59, 0.008, 296.813

Achromatomaly
58, 13.940, 302.398

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 38.284, 304.244 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(149, 129, 195)` looks like.

```
.text, #text, p{  
    color:rgb(149, 129, 195)  
}
```

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(149, 129, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 129, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 38.284, 304.244 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(149, 129, 195) }
```

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

```
.border{ border-color:rgb(149, 129, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 129, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(149, 129, 195); -webkit-box-shadow:4px 4px 4px 4px rgb(149, 129, 195); box-shadow:4px 4px 4px 4px rgb(149, 129, 195) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 38.284, 304.244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 129, 195) }
```

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

```
.background{ background-color: rgb(149,  
129, 195) }
```

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