

# Converting Colors

CIELCh(59, 45.968, 316.308)

Have a look what the booklet for  
CIELCh(59, 45.968, 316.308)  
contains.

<b>CIELCh(59, 45.691, 316.291)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

**Color**

**CIELCh(59, 45.691, 316.291)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AD7BC6
RGB	173, 123, 198
RGB Percent	68%, 48%, 78%
CMY	0.3226, 0.5186, 0.2245
CMYK	0.13, 0.38, 0.00, 0.22
HSL	280°, 40%, 63%
HSV	280°, 38%, 78%
XYZ	34.3946, 27.0277, 56.6758
YIQ	146.5000, 5.7250, 33.9250

# Conversions

## Conversions Part 2

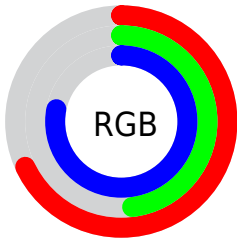
Format	Color
<a href="#">RYB</a>	<a href="#">173, 123, 198</a>
Decimal	<a href="#">11369414</a>
CIELab	<a href="#">59.00, 33.03, -31.57</a>
CIElCh	<a href="#">59, 45.691, 316.291</a>
Yxy	<a href="#">27.0277, 0.2912, 0.2289</a>
Android (android.graphics.Color)	<a href="#">4289559494</a> ( <a href="#">0xFFAD7BC6</a> )
YUV	<a href="#">146.5000, 25.3895, 23.2405</a>
Hunter-Lab	<a href="#">51.9882, 27.1135, -28.2442</a>

# Details

The CIELCh color  $59, 45.691, 316.291$  is a light color, and the websafe version is hex  $996699$ . A complement of this color would be  $75, 44.241, 132.854$ , and the grayscale version is  $61, 0.008, 296.813$ .

A 20% lighter version of the original color is  $79, 45.803, 316.148$ , and  $39, 45.747, 316.112$  is the 20% darker color. If you saturate the color by 10%, you get  $54, 57.717, 316.691$ , and if you desaturate by 10%, it is  $64, 33.473, 315.857$ .

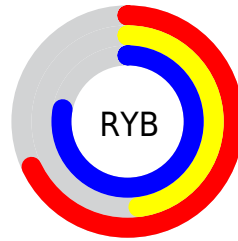
# Distribution



Red (68%)

Green (48%)

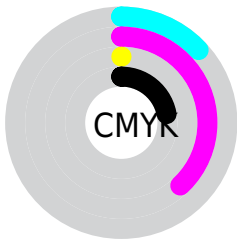
Blue (78%)



Red (68%)

Yellow (48%)

Blue (78%)

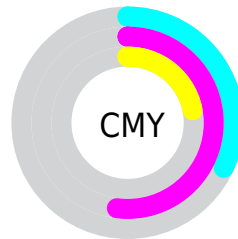


Cyan (13%)

Magenta (38%)

Yellow (0%)

Black (22%)



Cyan (32%)

Magenta (52%)


Yellow (22%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 59, 45.691, 316.291 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 59, 45.691, 316.291 by changing the saturation by 10% instead.





 59, 45.691,  
316.291


 59, 45.691,  
316.291


 100, 45.691,  
316.291


 49, 45.691,  
316.291


 79, 45.691,  
316.291

 39, 45.691,  
316.291

 89, 45.691,  
316.291

 29, 45.691,  
316.291

 99, 45.691,  
316.291

 19, 45.691,  
316.291

 9, 45.691, 316.291

 0, 45.691, 316.291

59, 45.691,  
316.291

59, 45.691,  
316.291

54, 57.717,  
316.691

64, 33.473,  
315.857

49, 69.205,  
317.018

70, 21.301,  
315.414

45, 79.654,  
317.218

75, 9.313, 314.975

41, 88.441,  
317.227

81, 2.407, 134.656

38, 94.926,  
316.969

87, 13.820,  
134.219


36, 98.844,  
316.409

92, 24.905,  
133.866

36, 99.543,  
316.284

96, 32.000,  
132.484

97, 31.029,  
128.578

 97, 30.212,  
124.374

# Harmonies

# Complementary

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



59, 45.691, 316.291



75, 44.241, 132.854

# Rectangle

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



59, 45.691, 316.291



59, 45.691, 6.291



59, 45.691, 136.291



59, 45.691, 186.291

# Sweetspot

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



59, 45.689, 316.291



92, 15.963, 315.118



61, 28.278, 276.051



48, 10.742, 315.178



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



59, 45.689, 316.291



69, 68.139, 316.645



61, 44.248, 331.162



39, 6.713, 315.040



29, 86.248, 316.425



3, 23.290, 312.516



# Inverse Universe

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



60, 32.523, 358.080



71, 48.616, 359.569



74, 44.206, 145.862



39, 4.697, 354.508



34, 61.748, 17.462



4, 16.668, 2.524



# Previews

## White Background



This preview shows how the CIELCh color 59, 45.691, 316.291 looks on a white background.

## Color Contrast Check

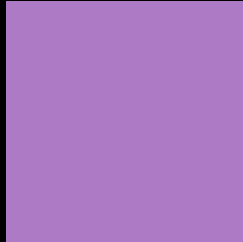
Large Text (above 18pt) WCAG AA ✓ Pass

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 59, 45.691, 316.291 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

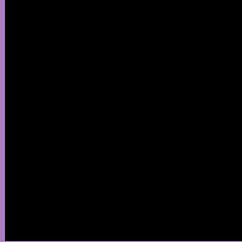
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 59, 45.691, 316.291

## Background



This preview shows how black text looks on a background with the CIELCh color 59, 45.691, 316.291.

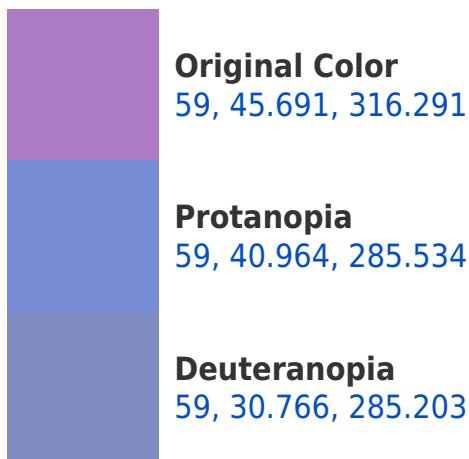


This preview shows how white text looks on a background with the CIELCh color 59, 45.691, 316.291.

# 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**  
59, 13.514, 356.241

# Trichromacy



**Original Color**  
59, 45.691, 316.291

**Protanomaly**  
59, 41.468, 296.414

**Deuteranomaly**  
59, 34.849, 298.859

**Tritanomaly**  
59, 23.990, 328.722

# Monochromacy



**Original Color**  
59, 45.691, 316.291

**Achromatopsia**  
61, 0.008, 296.813

**Achromatomaly**  
60, 16.758, 315.338

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 59, 45.691, 316.291 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(173, 123, 198)` looks like.

```
.text, #text, p{  
    color:rgb(173, 123, 198)  
}
```

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(173, 123, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 123, 198) }
```

## Border

The CSS property to change the border of an element to CIELCh 59, 45.691, 316.291 is called "border". The border property can be set on classes, ids or directly on the HTML element.

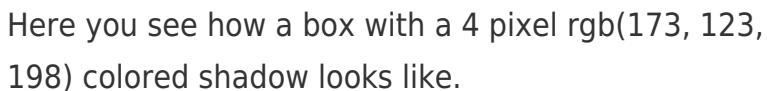
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(173, 123, 198) }
```

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

```
.border{ border-color:rgb(173, 123, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(173, 123, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(173, 123, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(173, 123, 198); box-shadow:4px 4px 4px 4px rgb(173, 123, 198) }
```

# Background

The CSS property to change the background color of an element to CIELCh 59, 45.691, 316.291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 123, 198) }
```

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

```
.background{ background-color: rgb(173,  
123, 198) }
```

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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