

Converting Colors

CIELCh(59, 55.304, 312.349)

Have a look what the booklet for
CIELCh(59, 55.304, 312.349)
contains.

CIELCh(59, 54.932, 312.452)	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(59, 54.932, 312.452)

Conversions

Conversions Part 1

Format	Color
Hex	AB79D6
RGB	171, 121, 214
RGB Percent	67%, 47%, 84%
CMY	0.3310, 0.5270, 0.1624
CMYK	0.20, 0.44, 0.00, 0.16
HSL	272°, 53%, 66%
HSV	272°, 44%, 84%
XYZ	35.5807, 27.0277, 66.6810
YIQ	146.5520, -0.0530, 39.5230

Conversions

Conversions Part 2

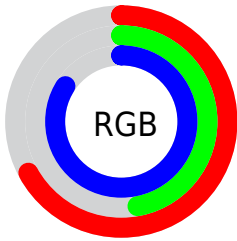
Format	Color
R_{YB}	171, 121, 214
Decimal	11237846
CIE _{Lab}	59.00, 37.08, -40.53
CIE _{LCh}	59, 54.932, 312.452
Yxy	27.0277, 0.2752, 0.2090
Android (android.graphics.Color)	4289427926 (0xFFAB79D6)
YUV	146.5520, 33.2519, 21.4409
Hunter-Lab	51.9882, 31.1859, -39.6546

Details

The CIELCh color $59, 54.932, 312.452$ is a light color, and the websafe version is hex $9966CC$. A complement of this color would be $80, 51.866, 128.350$, and the grayscale version is $60, 0.008, 296.813$.

A 20% lighter version of the original color is $78, 46.945, 316.049$, and $39, 54.980, 312.506$ is the 20% darker color. If you saturate the color by 10%, you get $53, 67.683, 312.925$, and if you desaturate by 10%, it is $65, 42.003, 311.946$.

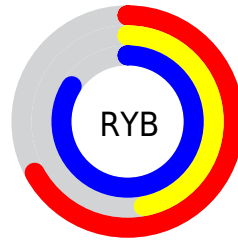
Distribution



Red (67%)

Green (47%)

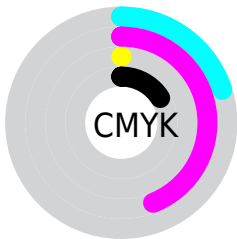
Blue (84%)



Red (67%)

Yellow (47%)

Blue (84%)

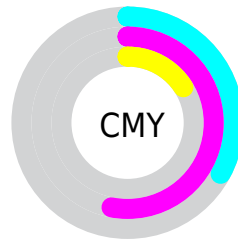


Cyan (20%)

Magenta (44%)

Yellow (0%)

Black (16%)



Cyan (33%)


Magenta (53%)


Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 54.932, 312.452 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, 54.932, 312.452 by changing the saturation by 10% instead.


 59, 54.932,
312.452

 59, 54.932,
312.452

 100, 54.932,
312.452

 49, 54.932,
312.452


 79, 54.932,
312.452

 39, 54.932,
312.452

 89, 54.932,
312.452

 29, 54.932,
312.452

 99, 54.932,
312.452

 19, 54.932,
312.452

 9, 54.932, 312.452

 0, 54.932, 312.452

59, 54.932,
312.452

59, 54.932,
312.452

53, 67.683,
312.925

65, 42.003,
311.946

48, 79.838,
313.312

71, 29.161,
311.441

43, 90.769,
313.536

77, 16.554,
310.957

39, 99.669,
313.497

83, 4.261, 310.486

89, 7.682, 130.128


36, 105.748,
313.093

96, 19.264,
129.751

35, 108.388,
312.676

98, 21.741,
123.505

99, 21.044,
114.019

 99, 20.929,
108.593

Harmonies

Complementary

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



59, 54.932, 312.452



80, 51.866, 128.350

Rectangle

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



59, 54.932, 312.452



59, 54.932, 2.452



59, 54.932, 132.452



59, 54.932, 182.452

Sweetspot

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



59, 54.930, 312.452



91, 18.363, 310.938



66, 29.847, 266.780



47, 12.887, 311.044



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, 54.930, 312.452



64, 75.932, 312.881



64, 58.067, 327.712



42, 6.925, 310.765



27, 91.637, 312.850



3, 29.239, 309.918

Inverse Universe

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



62, 42.085, 350.399



69, 57.464, 351.814



78, 58.256, 141.906



42, 5.395, 346.490



36, 62.555, 5.304



5, 23.181, 356.752

Previews

White Background



This preview shows how the CIELCh color 59, 54.932, 312.452 looks on a white background.

Color Contrast Check

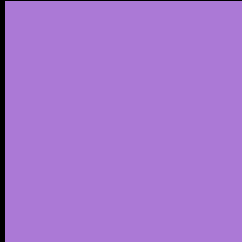
Large Text (above 18pt) WCAG AA ✓ Pass

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 59, 54.932, 312.452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

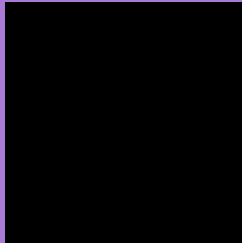
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 59, 54.932, 312.452

Background



This preview shows how black text looks on a background with the CIELCh color 59, 54.932, 312.452.

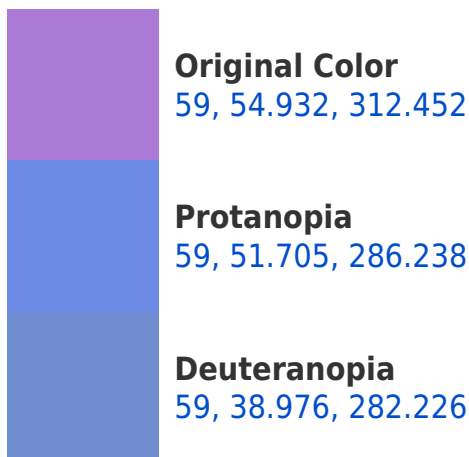


This preview shows how white text looks on a background with the CIELCh color 59, 54.932, 312.452.

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, 10.668, 348.576

Trichromacy



Original Color
59, 54.932, 312.452

Protanomaly
59, 52.139, 295.157

Deuteranomaly
59, 43.680, 294.932

Tritanomaly
59, 26.299, 320.005

Monochromacy



Original Color
59, 54.932, 312.452

Achromatopsia
61, 0.008, 296.813

Achromatomaly
60, 20.436, 310.974

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 54.932, 312.452 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(171, 121, 214)` looks like.

```
.text, #text, p{  
    color:rgb(171, 121, 214)  
}
```

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(171, 121, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 121, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 54.932, 312.452 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(171, 121, 214) }
```

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

```
.border{ border-color:rgb(171, 121, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 121, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 121, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 121, 214);  
box-shadow:4px 4px 4px 4px rgb(171, 121,  
214) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 54.932, 312.452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 121, 214) }
```

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

```
.background{ background-color: rgb(171,  
121, 214) }
```

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