

Converting Colors

CIELCh(58, 50.720, 317.820)

Have a look what the booklet for
CIELCh(58, 50.720, 317.820)
contains.

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Color

CIELCh(58, 50.267, 317.711)

Conversions

Conversions Part 1

Format	Color
Hex	AF75C7
RGB	175, 117, 199
RGB Percent	69%, 46%, 78%
CMY	0.3137, 0.5412, 0.2196
CMYK	0.12, 0.41, 0.00, 0.22
HSL	282°, 42%, 62%
HSV	282°, 41%, 78%
XYZ	34.3503, 25.9610, 57.2343
YIQ	143.6900, 8.2460, 37.7980

Conversions

Conversions Part 2

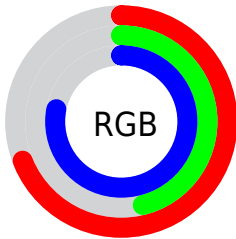
Format	Color
RYB	175, 117, 199
Decimal	11498951
CIELab	58.00, 37.19, -33.82
CIELCh	58, 50.267, 317.711
Yxy	25.9610, 0.2922, 0.2209
Android (android.graphics.Color)	4289689031 (0xFFAF75C7)
YUV	143.6900, 27.2678, 27.4589
Hunter-Lab	50.9519, 31.1738, -30.9341

Details

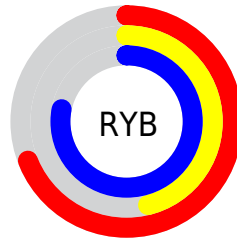
The CIELCh color $58, 50.267, 317.711$ is a light color, and the websafe version is hex `9966CC`. A complement of this color would be $75, 48.812, 133.902$, and the grayscale version is $60, 0.008, 296.813$.

A 20% lighter version of the original color is $78, 49.906, 318.102$, and $38, 50.319, 317.651$ is the 20% darker color. If you saturate the color by 10%, you get $53, 62.178, 318.077$, and if you desaturate by 10%, it is $63, 37.996, 317.295$.

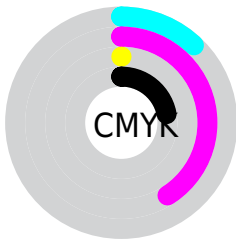
Distribution



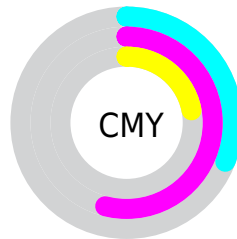
- Red (69%)
- Green (46%)
- Blue (78%)



- Red (69%)
- Yellow (46%)
- Blue (78%)



- Cyan (12%)
- Magenta (41%)
- Yellow (0%)
- Black (22%)





- Cyan (31%)
- Magenta (54%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 50.267, 317.711 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, 50.267, 317.711 by changing the saturation by 10% instead.


 58, 50.267,
317.711


 58, 50.267,
317.711


 100, 50.267,
317.711


 48, 50.267,
317.711


 78, 50.267,
317.711

 38, 50.267,
317.711

 88, 50.267,
317.711

 28, 50.267,
317.711

 98, 50.267,
317.711

 18, 50.267,
317.711

 8, 50.267, 317.711

 0, 50.267, 317.711

58, 50.267,
317.711

58, 50.267,
317.711

53, 62.178,
318.077

63, 37.996,
317.295

49, 73.318,
318.351

69, 25.657,
316.859

45, 83.136,
318.480

74, 13.432,
316.420

41, 91.004,
318.402

80, 1.435, 315.889

39, 96.378,
318.055


85, 10.273,
135.638

37, 99.246,
317.549

91, 21.661,
135.262

96, 31.937,
134.732

96, 31.002,
131.384

 97, 30.178,
127.787

Harmonies

Complementary

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



58, 50.267, 317.711



75, 48.812, 133.902

Rectangle

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



58, 50.267, 317.711



58, 50.267, 7.711



58, 50.267, 137.711



58, 50.267, 187.711

Sweetspot

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



58, 50.265, 317.711



92, 17.612, 316.463



59, 33.047, 280.523



48, 11.697, 316.521



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, 50.265, 317.711



68, 72.854, 318.027



60, 46.542, 333.220



39, 6.783, 316.340



30, 85.596, 317.683



3, 23.602, 314.271

Inverse Universe

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



59, 35.126, 1.520



69, 51.217, 3.127



74, 46.431, 147.112



39, 4.600, 357.297



34, 62.818, 21.183



4, 16.489, 4.597

Previews

White Background



This preview shows how the CIELCh color 58, 50.267, 317.711 looks on a white background.

Color Contrast Check

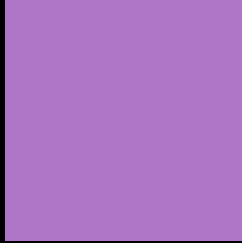
Large Text (above 18pt) WCAG AA ✓ Pass

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, 50.267, 317.711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

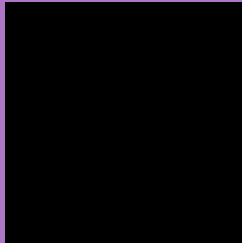
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 50.267, 317.711

Background



This preview shows how black text looks on a background with the CIELCh color 58, 50.267, 317.711.

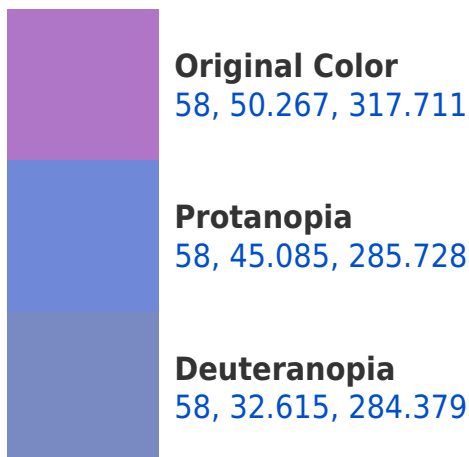



This preview shows how white text looks on a background with the CIELCh color 58, 50.267, 317.711.

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, 15.450, 359.713

Trichromacy



Original Color
58, 50.267, 317.711

Protanomaly
58, 45.592, 296.706

Deuteranomaly
58, 37.882, 299.760

Tritanomaly
58, 26.316, 331.501

Monochromacy



Original Color
58, 50.267, 317.711

Achromatopsia
60, 0.008, 296.813

Achromatomaly
59, 18.824, 316.488

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 50.267, 317.711 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(175, 117, 199)` looks like.

```
.text, #text, p{  
    color:rgb(175, 117, 199)  
}
```

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(175, 117, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 117, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 50.267, 317.711 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(175, 117, 199) }
```

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

```
.border{ border-color:rgb(175, 117, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 117, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 117, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 117, 199);  
box-shadow:4px 4px 4px 4px rgb(175, 117,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 50.267, 317.711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 117, 199) }
```

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

```
.background{ background-color: rgb(175,  
117, 199) }
```

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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