

Converting Colors

CIELCh(58, 50.552, 316.975)

Have a look what the booklet for
CIELCh(58, 50.552, 316.975)
contains.

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Color

CIELCh(58, 50.661, 317.076)

Conversions

Conversions Part 1

Format	Color
Hex	AE75C8
RGB	174, 117, 200
RGB Percent	68%, 46%, 78%
CMY	0.3169, 0.5405, 0.2150
CMYK	0.13, 0.41, 0.00, 0.21
HSL	281°, 43%, 62%
HSV	281°, 41%, 79%
XYZ	34.3247, 25.9610, 57.9590
YIQ	143.5050, 7.3290, 37.8970

Conversions

Conversions Part 2

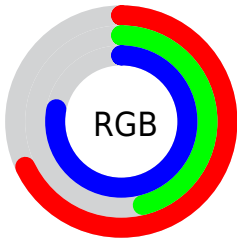
Format	Color
RYB	174, 117, 200
Decimal	11433416
CIELab	58.00, 37.10, -34.50
CIELCh	58, 50.661, 317.076
Yxy	25.9610, 0.2903, 0.2196
Android (android.graphics.Color)	4289623496 (0xFFAE75C8)
YUV	143.5050, 27.8520, 26.7441
Hunter-Lab	50.9519, 31.0840, -31.7774

Details

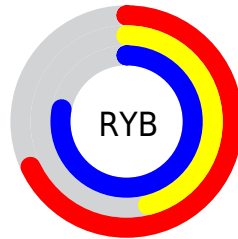
The CIELCh color $58, 50.661, 317.076$ is a light color, and the websafe version is hex `9966CC`. A complement of this color would be $75, 49.046, 133.275$, and the grayscale version is $60, 0.008, 296.813$.

A 20% lighter version of the original color is $78, 49.789, 317.732$, and $38, 50.772, 316.997$ is the 20% darker color. If you saturate the color by 10%, you get $53, 62.637, 317.446$, and if you desaturate by 10%, it is $63, 38.347, 316.657$.

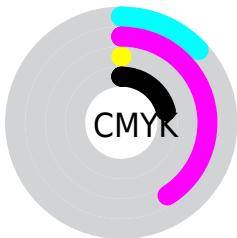
Distribution



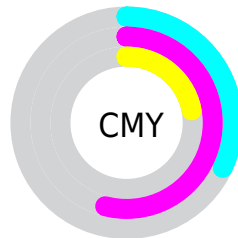
- Red (68%)
- Green (46%)
- Blue (78%)



- Red (68%)
- Yellow (46%)
- Blue (78%)



- Cyan (13%)
- Magenta (41%)
- Yellow (0%)
- Black (21%)





- Cyan (32%)
- Magenta (54%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 50.661, 317.076 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, 50.661, 317.076 by changing the saturation by 10% instead.


 58, 50.661,
317.076


 58, 50.661,
317.076


 100, 50.661,
317.076


 48, 50.661,
317.076


 78, 50.661,
317.076

 38, 50.661,
317.076

 88, 50.661,
317.076

 28, 50.661,
317.076

 98, 50.661,
317.076

 18, 50.661,
317.076

 8, 50.661, 317.076

 0, 50.661, 317.076

■ 58, 50.661,
317.076

■ 58, 50.661,
317.076

■ 53, 62.637,
317.446

■ 63, 38.347,
316.657

■ 48, 73.865,
317.725

■ 69, 25.982,
316.218

■ 44, 83.787,
317.856

■ 74, 13.746,
315.779

■ 41, 91.759,
317.772

■ 80, 1.746, 315.273

■ 86, 9.959, 135.000

■ 39, 97.212,
317.407

■ 91, 21.341,
134.627

■ 37, 100.074,
316.897

■ 96, 31.015,
133.914

■ 97, 30.045,
130.146

■ 97, 29.213,
126.082

Harmonies

Complementary

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



58, 50.661, 317.076



75, 49.046, 133.275

Rectangle

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



58, 50.661, 317.076



58, 50.661, 7.076



58, 50.661, 137.076



58, 50.661, 187.076

Sweetspot

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



58, 50.659, 317.076



92, 17.520, 315.809



60, 32.710, 279.393



48, 11.637, 315.868



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, 50.659, 317.076



67, 74.102, 317.421



60, 47.585, 332.606



39, 6.747, 315.687



30, 85.919, 317.040



3, 23.439, 313.380

Inverse Universe

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



59, 35.747, 0.089



69, 52.495, 1.823



74, 47.521, 146.536



39, 4.648, 355.875



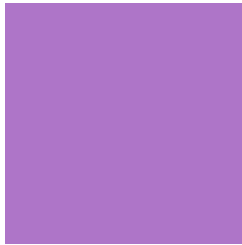
34, 62.241, 19.325



4, 16.575, 3.566

Previews

White Background



This preview shows how the CIELCh color 58, 50.661, 317.076 looks on a white background.

Color Contrast Check

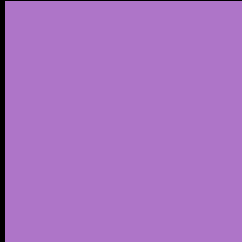
Large Text (above 18pt) WCAG AA ✓ Pass

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, 50.661, 317.076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

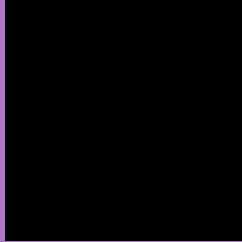
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 50.661, 317.076

Background



This preview shows how black text looks on a background with the CIELCh color 58, 50.661, 317.076.

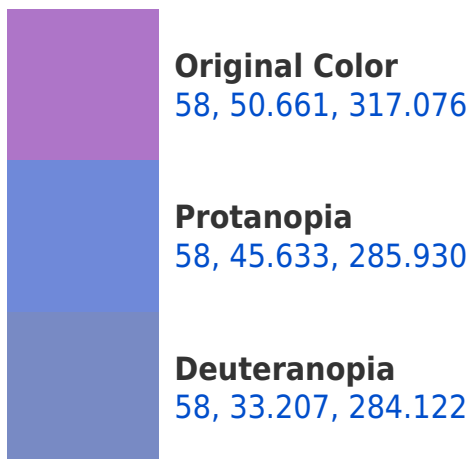


This preview shows how white text looks on a background with the CIELCh color 58, 50.661, 317.076.

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, 15.073, 359.090

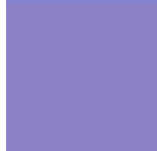
Trichromacy



Original Color
58, 50.661, 317.076



Protanomaly
58, 46.150, 296.735



Deuteranomaly
58, 38.974, 299.206



Tritanomaly
58, 26.512, 330.013

Monochromacy



Original Color
58, 50.661, 317.076



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, 50.661, 317.076 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(174, 117, 200)` looks like.

```
.text, #text, p{  
    color:rgb(174, 117, 200)  
}
```

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(174, 117, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 117, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 50.661, 317.076 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(174, 117, 200) }
```

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

```
.border{ border-color:rgb(174, 117, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 117, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 117, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 117, 200);  
box-shadow:4px 4px 4px 4px rgb(174, 117,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 50.661, 317.076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 117, 200) }
```

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

```
.background{ background-color: rgb(174,  
117, 200) }
```

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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