

Converting Colors

CIELCh(58, 34.040, 334.334)

Have a look what the booklet for
CIELCh(58, 34.040, 334.334)
contains.

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Color

CIELCh(58, 34.159, 333.936)

Conversions

Conversions Part 1

Format	Color
Hex	B478A6
RGB	180, 120, 166
RGB Percent	71%, 47%, 65%
CMY	0.2934, 0.5287, 0.3483
CMYK	0.00, 0.33, 0.08, 0.29
HSL	314°, 29%, 59%
HSV	314°, 33%, 71%
XYZ	32.5036, 25.9610, 39.4622
YIQ	143.1840, 20.9940, 27.0260

Conversions

Conversions Part 2

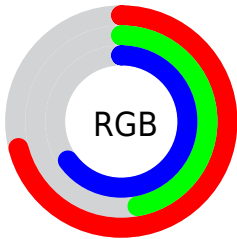
Format	Color
RYB	180, 120, 166
Decimal	11827366
CIELab	58.00, 30.69, -15.01
CIELCh	58, 34.159, 333.936
Yxy	25.9610, 0.3319, 0.2651
Android (android.graphics.Color)	4290017446 (0xFFB478A6)
YUV	143.1840, 11.2483, 32.2876
Hunter-Lab	50.9519, 24.7041, -10.2537

Details

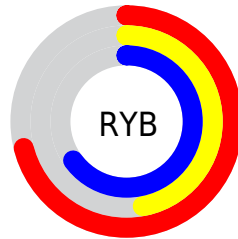
The CIELCh color **58, 34.159, 333.936** is a light color, and the websafe version is hex **996699**. A complement of this color would be **68, 33.952, 149.108**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **78, 34.270, 334.172**, and **38, 34.163, 333.892** is the 20% darker color. If you saturate the color by 10%, you get **54, 44.004, 334.674**, and if you desaturate by 10%, it is **62, 23.941, 333.231**.

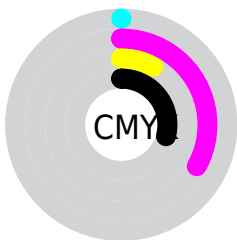
Distribution



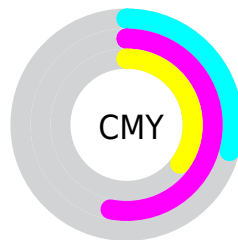
- Red (71%)
- Green (47%)
- Blue (65%)



- Red (71%)
- Yellow (47%)
- Blue (65%)



- Cyan (0%)
- Magenta (33%)
- Yellow (8%)
- Black (29%)





- Cyan (29%)
- Magenta (53%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 34.159, 333.936 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, 34.159, 333.936 by changing the saturation by 10% instead.


 58, 34.159,
333.936

 58, 34.159,
333.936


 100, 34.159,
333.936


 48, 34.159,
333.936


 78, 34.159,
333.936

 38, 34.159,
333.936

 88, 34.159,
333.936

 28, 34.159,
333.936

 98, 34.159,
333.936

 18, 34.159,
333.936

 8, 34.159, 333.936

 0, 34.159, 333.936

58, 34.159,
333.936

58, 34.159,
333.936

54, 44.004,
334.674

62, 23.941,
333.231

50, 53.130,
335.451

67, 13.616,
332.550

47, 61.101,
336.280

72, 3.360, 331.843

44, 67.448,
337.185

77, 6.715, 151.363

42, 71.771,
338.199

82, 16.543,
150.756

41, 73.880,
339.371

87, 26.091,
150.198

41, 74.440,
340.233

92, 35.347,
149.674

94, 38.847,
150.479

 94, 37.217,
152.628

Harmonies

Complementary

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



58, 34.159, 333.936



68, 33.952, 149.108

Rectangle

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



58, 34.159, 333.936



58, 34.159, 23.936



58, 34.159, 153.936



58, 34.159, 203.936

Sweetspot

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



58, 34.157, 333.936



87, 12.658, 332.339



54, 35.088, 301.884



45, 8.637, 332.432



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



58, 34.157, 333.936



70, 50.536, 334.477



57, 25.765, 2.095



35, 5.737, 332.281



34, 66.119, 340.041



2, 12.926, 335.273

Inverse Universe

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



58, 34.157, 333.936



70, 50.536, 334.477



69, 23.065, 175.057



35, 5.737, 332.281



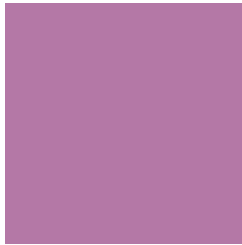
34, 66.119, 340.041



2, 12.926, 335.273

Previews

White Background



This preview shows how the CIELCh color 58, 34.159, 333.936 looks on a white background.

Color Contrast Check

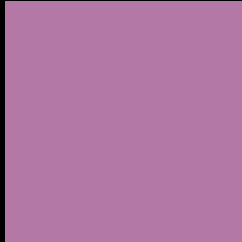
Large Text (above 18pt) WCAG AA ✓ Pass

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 58, 34.159, 333.936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

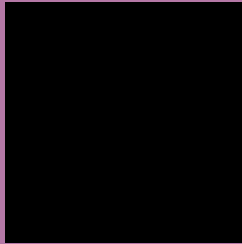
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 34.159, 333.936

Background



This preview shows how black text looks on a background with the CIELCh color 58, 34.159, 333.936.



This preview shows how white text looks on a background with the CIELCh color 58, 34.159, 333.936.

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, 34.159, 333.936

Protanopia
58, 23.421, 285.352

Deuteranopia
58, 15.576, 300.016



Tritanopia
58, 21.001, 6.315

Trichromacy



Original Color
58, 34.159, 333.936

Protanomaly
58, 24.707, 306.152

Deuteranomaly
58, 21.717, 318.623

Tritanomaly
58, 24.802, 350.869

Monochromacy



Original Color
58, 34.159, 333.936

Achromatopsia
59, 0.008, 296.813

Achromatomaly
59, 12.469, 334.105

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 34.159, 333.936 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(180, 120, 166)` looks like.

```
.text, #text, p{  
    color:rgb(180, 120, 166)  
}
```

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(180, 120, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 120, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 34.159, 333.936 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(180, 120, 166) }
```

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

```
.border{ border-color:rgb(180, 120, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 120, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 120, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 120, 166);  
box-shadow:4px 4px 4px 4px rgb(180, 120,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 34.159, 333.936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 120, 166) }
```

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

```
.background{ background-color: rgb(180,  
120, 166) }
```

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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