

Converting Colors

CIELCh(57, 34.256, 333.974)

Have a look what the booklet for
CIELCh(57, 34.256, 333.974)
contains.

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Color

CIELCh(57, 34.223, 333.961)

Conversions

Conversions Part 1

Format	Color
Hex	B276A4
RGB	178, 118, 164
RGB Percent	70%, 46%, 64%
CMY	0.3039, 0.5390, 0.3587
CMYK	0.00, 0.34, 0.08, 0.30
HSL	314°, 28%, 58%
HSV	314°, 34%, 70%
XYZ	31.3337, 24.9227, 38.0599
YIQ	141.1840, 20.9940, 27.0260

Conversions

Conversions Part 2

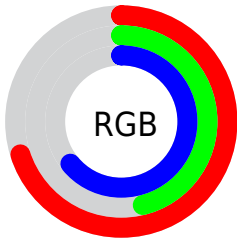
Format	Color
R _{YB}	178, 118, 164
Decimal	11695780
CIE Lab	57.00, 30.75, -15.02
CIE LCh	57, 34.223, 333.961
Yxy	24.9227, 0.3322, 0.2642
Android (android.graphics.Color)	4289885860 (0xFFB276A4)
YUV	141.1840, 11.2483, 32.2876
Hunter-Lab	49.9226, 24.6702, -10.2556

Details

The CIELCh color $57, 34.223, 333.961$ is a light color, and the websafe version is hex 996699 . A complement of this color would be $67, 34.017, 149.058$, and the grayscale version is $58, 0.007, 296.813$.

A 20% lighter version of the original color is $77, 34.324, 334.188$, and $37, 34.232, 333.937$ is the 20% darker color. If you saturate the color by 10%, you get $53, 43.927, 334.699$, and if you desaturate by 10%, it is $61, 24.137, 333.255$.

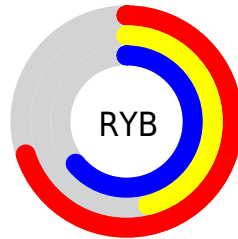
Distribution



Red (70%)

Green (46%)

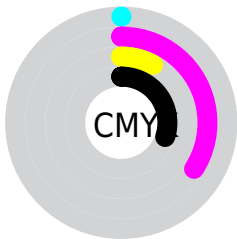
Blue (64%)



Red (70%)

Yellow (46%)

Blue (64%)

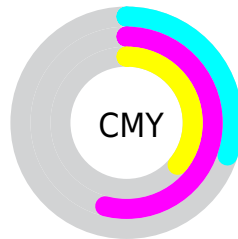


Cyan (0%)

Magenta (34%)

Yellow (8%)

Black (30%)



Cyan (30%)


Magenta (54%)


Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 34.223, 333.961 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 57, 34.223, 333.961 by changing the saturation by 10% instead.


 57, 34.223,
333.961


 57, 34.223,
333.961


 100, 34.223,
333.961


 47, 34.223,
333.961


 77, 34.223,
333.961

 37, 34.223,
333.961

 87, 34.223,
333.961

 27, 34.223,
333.961

 97, 34.223,
333.961

 17, 34.223,
333.961

 7, 34.223, 333.961

 0, 34.223, 333.961

57, 34.223,
333.961

57, 34.223,
333.961

53, 43.927,
334.699

61, 24.137,
333.255

49, 52.905,
335.477

66, 13.937,
332.575

46, 60.723,
336.307

71, 3.797, 331.877

44, 66.921,
337.214

75, 6.167, 151.389

42, 71.109,
338.232

80, 15.890,
150.778


40, 73.111,
339.409

85, 25.338,
150.219

40, 73.642,
340.205

90, 34.498,
149.694

94, 40.693,
149.812

 94, 39.075,
151.803

Harmonies

Complementary

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



57, 34.223, 333.961



67, 34.017, 149.058

Rectangle

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



57, 34.223, 333.961



57, 34.223, 23.961



57, 34.223, 153.961



57, 34.223, 203.961

Sweetspot

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



57, 34.221, 333.961



85, 12.436, 332.332



53, 35.147, 301.379



44, 8.483, 332.424



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



57, 34.221, 333.961



69, 50.832, 334.542



56, 25.967, 0.955



35, 5.738, 332.275



34, 66.127, 340.031



2, 12.927, 335.264

Inverse Universe

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



57, 34.221, 333.961



69, 50.832, 334.542



68, 23.362, 173.800



35, 5.738, 332.275



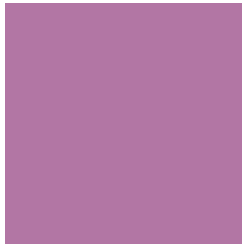
34, 66.127, 340.031



2, 12.927, 335.264

Previews

White Background



This preview shows how the CIELCh color 57, 34.223, 333.961 looks on a white background.

Color Contrast Check

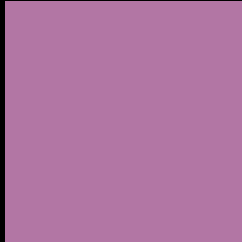
Large Text (above 18pt) WCAG AA ✓ Pass

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 57, 34.223, 333.961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

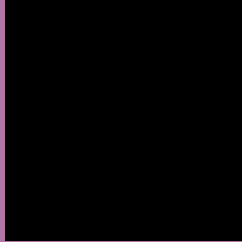
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 34.223, 333.961

Background



This preview shows how black text looks on a background with the CIELCh color 57, 34.223, 333.961.

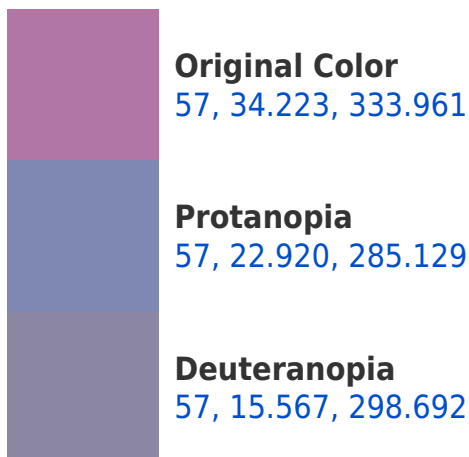


This preview shows how white text looks on a background with the CIELCh color 57, 34.223, 333.961.

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
57, 21.488, 6.733

Trichromacy



Original Color
57, 34.223, 333.961

Protanomaly
57, 24.802, 306.176

Deuteranomaly
57, 21.613, 317.717

Tritanomaly
57, 24.887, 350.928

Monochromacy



Original Color
57, 34.223, 333.961

Achromatopsia
59, 0.008, 296.813

Achromatomaly
58, 12.925, 332.376

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 34.223, 333.961 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(178, 118, 164)` looks like.

```
.text, #text, p{  
    color:rgb(178, 118, 164)  
}
```

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(178, 118, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 118, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 34.223, 333.961 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(178, 118, 164) }
```

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

```
.border{ border-color:rgb(178, 118, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 118, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 118, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 118, 164);  
box-shadow:4px 4px 4px 4px rgb(178, 118,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 34.223, 333.961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 118, 164) }
```

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

```
.background{ background-color: rgb(178,  
118, 164) }
```

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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