

Converting Colors

CIELCh(57, 42.301, 333.675)

Have a look what the booklet for
CIELCh(57, 42.301, 333.675)
contains.

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Color

CIELCh(57, 42.149, 333.735)

Conversions

Conversions Part 1

Format	Color
Hex	BA70AA
RGB	186, 112, 170
RGB Percent	73%, 44%, 67%
CMY	0.2707, 0.5608, 0.3334
CMYK	0.00, 0.40, 0.09, 0.27
HSL	313°, 35%, 58%
HSV	313°, 40%, 73%
XYZ	33.2913, 24.9227, 41.0771
YIQ	140.7380, 25.4860, 33.7260

Conversions

Conversions Part 2

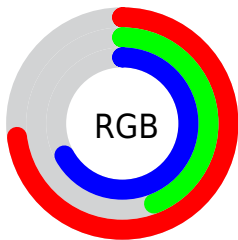
Format	Color
RYB	186, 112, 170
Decimal	12218538
CIELab	57.00, 37.80, -18.65
CIElCh	57, 42.149, 333.735
Yxy	24.9227, 0.3353, 0.2510
Android (android.graphics.Color)	4290408618 (0xFFBA70AA)
YUV	140.7380, 14.4262, 39.6948
Hunter-Lab	49.9226, 31.6695, -13.8389

Details

The CIELCh color **57, 42.149, 333.735** is a light color, and the websafe version is hex **996699**. A complement of this color would be **70, 41.982, 147.832**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **77, 42.065, 333.791**, and **37, 41.903, 333.455** is the 20% darker color. If you saturate the color by 10%, you get **53, 51.914, 334.470**, and if you desaturate by 10%, it is **61, 31.762, 333.030**.

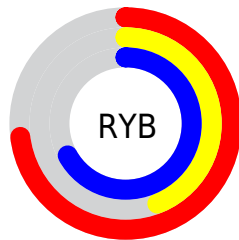
Distribution



Red (73%)

Green (44%)

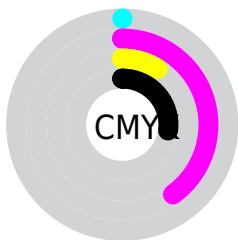
Blue (67%)



Red (73%)

Yellow (44%)

Blue (67%)

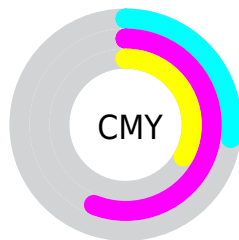


Cyan (0%)

Magenta (40%)

Yellow (9%)

Black (27%)



Cyan (27%)


Magenta (56%)


Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 42.149, 333.735 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, 42.149, 333.735 by changing the saturation by 10% instead.


 57, 42.149,
333.735


 57, 42.149,
333.735

 100, 42.149,
333.735


 47, 42.149,
333.735


 77, 42.149,
333.735

 37, 42.149,
333.735

 87, 42.149,
333.735

 27, 42.149,
333.735

 97, 42.149,
333.735

 17, 42.149,
333.735

 7, 42.149, 333.735

 0, 42.149, 333.735

57, 42.149,
333.735

57, 42.149,
333.735

53, 51.914,
334.470

61, 31.762,
333.030

50, 60.641,
335.242

66, 21.094,
332.349

47, 67.847,
336.066

71, 10.381,
331.684

44, 73.084,
336.969

76, 0.217, 152.461

43, 76.067,
337.988

81, 10.600,
150.524


42, 77.117,
339.142

86, 20.713,
149.945

42, 77.135,
339.167

91, 30.529,
149.404

94, 36.626,
149.681

 94, 35.054,
151.830

Harmonies

Complementary

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



57, 42.149, 333.735



70, 41.982, 147.832

Rectangle

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



57, 42.149, 333.735



57, 42.149, 23.735



57, 42.149, 153.735



57, 42.149, 203.735

Sweetspot

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



57, 42.147, 333.735



88, 15.802, 331.844



51, 43.439, 301.496



47, 10.575, 331.931



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



57, 42.147, 333.735



69, 62.168, 334.396



56, 32.134, 0.720



36, 5.945, 331.654



35, 67.738, 338.983



3, 15.153, 334.761

Inverse Universe

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



57, 42.147, 333.735



69, 62.168, 334.396



70, 28.550, 171.902



36, 5.945, 331.654



35, 67.738, 338.983



3, 15.153, 334.761

Previews

White Background



This preview shows how the CIELCh color 57, 42.149, 333.735 looks on a white background.

Color Contrast Check

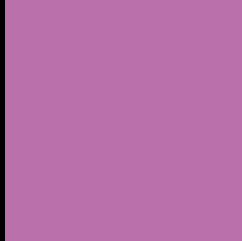
Large Text (above 18pt) WCAG AA ✓ Pass

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, 42.149, 333.735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

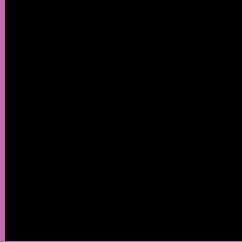
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 42.149, 333.735

Background



This preview shows how black text looks on a background with the CIELCh color 57, 42.149, 333.735.



This preview shows how white text looks on a background with the CIELCh color 57, 42.149, 333.735.

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, 25.590, 11.081

Trichromacy



Original Color
57, 42.149, 333.735

Protanomaly
57, 31.640, 304.926

Deuteranomaly
57, 25.673, 316.217

Tritanomaly
57, 29.983, 352.686

Monochromacy



Original Color
57, 42.149, 333.735

Achromatopsia
59, 0.008, 296.813

Achromatomaly
57, 16.305, 331.046

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 42.149, 333.735 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(186, 112, 170)` looks like.

```
.text, #text, p{  
    color:rgb(186, 112, 170)  
}
```

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(186, 112, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 112, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 42.149, 333.735 is called "border". The border property can be set on classes, ids or directly on the HTML element.

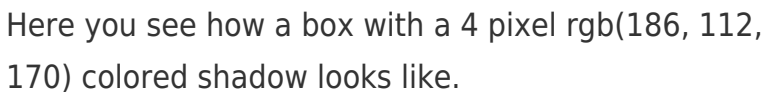
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(186, 112, 170) }
```

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

```
.border{ border-color:rgb(186, 112, 170) }
```

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



Here you see how a box with a 4 pixel `rgb(186, 112, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 112, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 112, 170);  
box-shadow:4px 4px 4px 4px rgb(186, 112,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 42.149, 333.735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 112, 170) }
```

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

```
.background{ background-color: rgb(186,  
112, 170) }
```

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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