

Converting Colors

CIELCh(57, 46.207, 342.240)

Have a look what the booklet for
CIELCh(57, 46.207, 342.240)
contains.

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Color

CIELCh(57, 45.766, 342.329)

Conversions

Conversions Part 1

Format	Color
Hex	C66AA2
RGB	198, 106, 162
RGB Percent	78%, 42%, 64%
CMY	0.2235, 0.5843, 0.3647
CMYK	0.00, 0.46, 0.18, 0.22
HSL	323°, 45%, 60%
HSV	323°, 46%, 78%
XYZ	34.9647, 24.9227, 37.1506
YIQ	139.8920, 36.8560, 36.9200

Conversions

Conversions Part 2

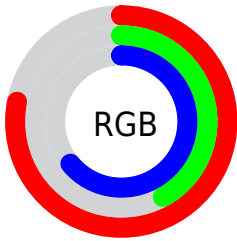
Format	Color
R _Y B	198, 106, 162
Decimal	13003426
CIE Lab	57.00, 43.61, -13.89
CIE LCh	57, 45.766, 342.329
Yxy	24.9227, 0.3603, 0.2568
Android (android.graphics.Color)	4291193506 (0xFFC66AA2)
YUV	139.8920, 10.8992, 50.9607
Hunter-Lab	49.9226, 37.6528, -9.1757

Details

The CIELCh color $57, 45.766, 342.329$ is a light color, and the websafe version is hex `CC6699`. A complement of this color would be $73, 44.658, 153.743$, and the grayscale version is $58, 0.007, 296.813$.

A 20% lighter version of the original color is $77, 45.211, 341.853$, and $37, 45.776, 342.515$ is the 20% darker color. If you saturate the color by 10%, you get $53, 54.460, 343.532$, and if you desaturate by 10%, it is $61, 36.261, 341.276$.

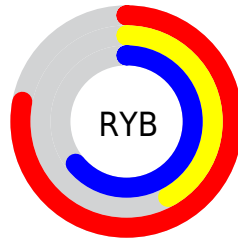
Distribution



Red (78%)

Green (42%)

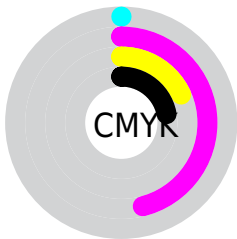
Blue (64%)



Red (78%)

Yellow (42%)

Blue (64%)

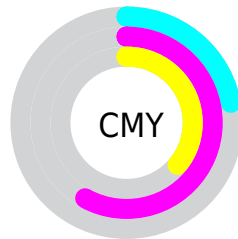


Cyan (0%)

Magenta (46%)

Yellow (18%)

Black (22%)



Cyan (22%)


Magenta (58%)


Yellow (36%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 45.766, 342.329 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, 45.766, 342.329 by changing the saturation by 10% instead.


 57, 45.766,
342.329


 57, 45.766,
342.329


 100, 45.766,
342.329


 47, 45.766,
342.329


 77, 45.766,
342.329

 37, 45.766,
342.329

 87, 45.766,
342.329

 27, 45.766,
342.329

 97, 45.766,
342.329

 17, 45.766,
342.329

 7, 45.766, 342.329

 0, 45.766, 342.329

57, 45.766,
342.329

57, 45.766,
342.329

53, 54.460,
343.532

61, 36.261,
341.276

50, 61.872,
344.940

66, 26.348,
340.331

47, 67.500,
346.634

71, 16.312,
339.468

45, 70.971,
348.722

76, 6.349, 338.649

44, 72.241,
351.318

82, 3.422, 158.088

43, 72.458,
352.311

87, 12.932,
157.335

93, 22.149,
156.696

96, 25.566,
159.409

■ 96, 23.068,
166.807

Harmonies

Complementary

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



57, 45.766, 342.329



73, 44.658, 153.743

Rectangle

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



57, 45.766, 342.329



57, 45.766, 32.329



57, 45.766, 162.329



57, 45.766, 212.329

Sweetspot

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



57, 45.763, 342.330



91, 17.006, 339.282



52, 54.481, 307.791



47, 11.760, 339.463



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



57, 45.763, 342.330



67, 66.259, 343.581



56, 39.029, 15.742



39, 5.607, 338.889



35, 62.936, 351.845



4, 19.137, 346.249

Inverse Universe

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



57, 45.763, 342.330



67, 66.259, 343.581



74, 30.207, 185.961



39, 5.607, 338.889



35, 62.936, 351.845



4, 19.137, 346.249

Previews

White Background



This preview shows how the CIELCh color 57, 45.766, 342.329 looks on a white background.

Color Contrast Check

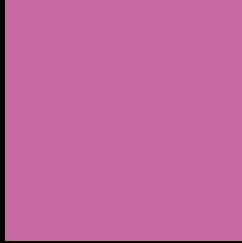
Large Text (above 18pt) WCAG AA ✓ Pass

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, 45.766, 342.329 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

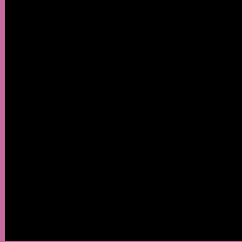
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 45.766, 342.329

Background



This preview shows how black text looks on a background with the CIELCh color 57, 45.766, 342.329.

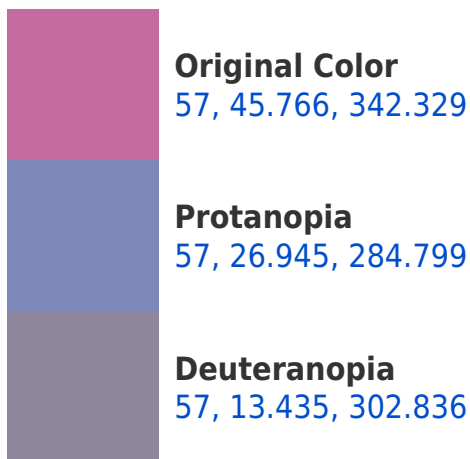


This preview shows how white text looks on a background with the CIELCh color 57, 45.766, 342.329.

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](#).

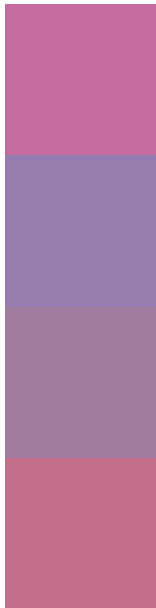
Dichromacy





Tritanopia
57, 33.738, 15.990

Trichromacy



Original Color
57, 45.766, 342.329

Protanomaly
56, 30.188, 311.095

Deuteranomaly
57, 24.593, 327.953

Tritanomaly
57, 36.334, 0.620

Monochromacy



Original Color
57, 45.766, 342.329

Achromatopsia
58, 0.007, 296.813

Achromatomaly
57, 17.170, 339.908

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 45.766, 342.329 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(198, 106, 162)` looks like.

```
.text, #text, p{  
    color:rgb(198, 106, 162)  
}
```

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(198, 106, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 106, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 45.766, 342.329 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(198, 106, 162) }
```

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

```
.border{ border-color:rgb(198, 106, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 106, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(198, 106, 162); -webkit-box-shadow:4px 4px 4px 4px rgb(198, 106, 162); box-shadow:4px 4px 4px 4px rgb(198, 106, 162) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 45.766, 342.329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 106, 162) }
```

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

```
.background{ background-color: rgb(198,  
106, 162) }
```

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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