

Converting Colors

CIELCh(66, 45.631, 348.274)

Have a look what the booklet for
CIELCh(66, 45.631, 348.274)
contains.

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Color

CIELCh(66, 45.877, 348.502)

Conversions

Conversions Part 1

Format	Color
Hex	E580B2
RGB	229, 128, 178
RGB Percent	90%, 50%, 70%
CMY	0.1018, 0.4979, 0.3018
CMYK	0.00, 0.44, 0.22, 0.10
HSL	330°, 66%, 70%
HSV	330°, 44%, 90%
XYZ	48.0841, 35.3238, 46.4182
YIQ	163.8990, 44.1460, 36.9620

Conversions

Conversions Part 2

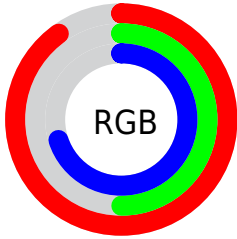
Format	Color
R _Y B	229, 128, 178
Decimal	15040690
CIE Lab	66.00, 44.96, -9.14
CIE LCh	66, 45.877, 348.502
Yxy	35.3238, 0.3704, 0.2721
Android (android.graphics.Color)	4293230770 (0xFFE580B2)
YUV	163.8990, 6.9518, 57.0936
Hunter-Lab	59.4338, 40.4036, -4.7022

Details

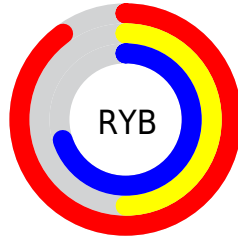
The CIELCh color **66, 45.877, 348.502** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **84, 43.538, 159.407**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 36.941, 335.983**, and **46, 45.876, 348.558** is the 20% darker color. If you saturate the color by 10%, you get **61, 55.462, 350.020**, and if you desaturate by 10%, it is **71, 35.612, 347.218**.

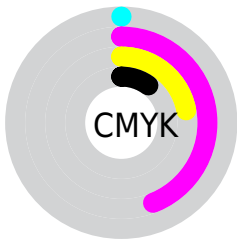
Distribution



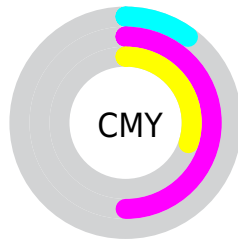
- Red (90%)
- Green (50%)
- Blue (70%)



- Red (90%)
- Yellow (50%)
- Blue (70%)



- Cyan (0%)
- Magenta (44%)
- Yellow (22%)
- Black (10%)





- Cyan (10%)
- Magenta (50%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 45.877, 348.502 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 66, 45.877, 348.502 by changing the saturation by 10% instead.


 66, 45.877,
348.502


 66, 45.877,
348.502


 100, 45.877,
348.502


 56, 45.877,
348.502


 86, 45.877,
348.502

 46, 45.877,
348.502

 96, 45.877,
348.502

 36, 45.877,
348.502

 26, 45.877,
348.502

 16, 45.877,
348.502

 6, 45.877, 348.502

 0, 45.877, 348.502

66, 45.877,
348.502

66, 45.877,
348.502

61, 55.462,
350.020

71, 35.612,
347.218

57, 63.869,
351.857

77, 25.073,
346.101

54, 70.550,
354.139

83, 14.535,
345.106

51, 75.075,
357.022

88, 4.175, 344.149

50, 77.351, 0.671

95, 5.904, 163.536

49, 78.007, 3.140

98, 9.819, 175.639

98, 8.843, 198.921

Harmonies

Complementary

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



66, 45.877, 348.502



84, 43.538, 159.407

Rectangle

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



66, 45.877, 348.502



66, 45.877, 38.502



66, 45.877, 168.502



66, 45.877, 218.502

Sweetspot

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



66, 45.874, 348.503



92, 14.606, 345.010



62, 58.684, 311.306



47, 10.246, 345.221



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



66, 45.874, 348.503



68, 59.376, 349.891



65, 42.469, 24.037



45, 5.834, 344.671



38, 64.809, 2.354



7, 27.564, 355.310

Inverse Universe

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



66, 45.874, 348.503



68, 59.376, 349.891



85, 30.890, 197.359



45, 5.834, 344.671



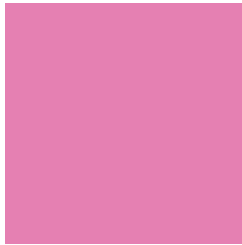
38, 64.809, 2.354



7, 27.564, 355.310

Previews

White Background



This preview shows how the CIELCh color 66, 45.877, 348.502 looks on a white background.

Color Contrast Check

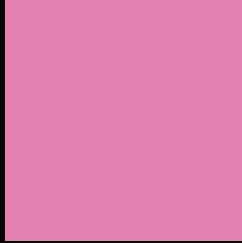
Large Text (above 18pt) WCAG AA × Fail

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 66, 45.877, 348.502 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

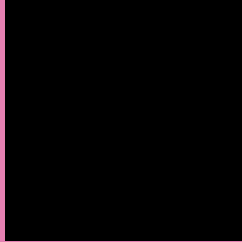
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 45.877, 348.502

Background



This preview shows how black text looks on a background with the CIELCh color 66, 45.877, 348.502.



This preview shows how white text looks on a background with the CIELCh color 66, 45.877, 348.502.

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

66, 45.877, 348.502

Protanopia

66, 22.233, 286.343

Deuteranopia

66, 11.020, 321.657



Tritanopia
66, 37.668, 15.305

Trichromacy



Original Color
66, 45.877, 348.502



Protanomaly
65, 26.603, 318.074



Deuteranomaly
66, 23.592, 339.068



Tritanomaly
66, 39.347, 4.632

Monochromacy



Original Color
66, 45.877, 348.502



Achromatopsia
67, 0.008, 296.813



Achromatomaly
66, 17.284, 346.105

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 45.877, 348.502 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(229, 128, 178)` looks like.

```
.text, #text, p{  
    color:rgb(229, 128, 178)  
}
```

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(229, 128, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 128, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 45.877, 348.502 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(229, 128, 178) }
```

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

```
.border{ border-color:rgb(229, 128, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 128, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 128, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 128, 178);  
box-shadow:4px 4px 4px 4px rgb(229, 128,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 45.877, 348.502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 128, 178) }
```

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

```
.background{ background-color: rgb(229,  
128, 178) }
```

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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