

Converting Colors

CIELCh(66, 45.454, 352.998)

Have a look what the booklet for
CIELCh(66, 45.454, 352.998)
contains.

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Color

CIELCh(66, 45.135, 352.850)

Conversions

Conversions Part 1

Format	Color
Hex	E780AC
RGB	231, 128, 172
RGB Percent	91%, 50%, 67%
CMY	0.0948, 0.4987, 0.3262
CMYK	0.00, 0.45, 0.26, 0.09
HSL	334°, 68%, 70%
HSV	334°, 45%, 91%
XYZ	48.0217, 35.3238, 43.2312
YIQ	163.8130, 47.2640, 35.5200

Conversions

Conversions Part 2

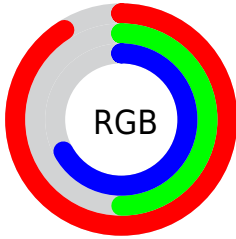
Format	Color
R _Y B	231, 128, 172
Decimal	15171756
CIE Lab	66.00, 44.78, -5.62
CIE LCh	66, 45.135, 352.850
Yxy	35.3238, 0.3794, 0.2791
Android (android.graphics.Color)	4293361836 (0xFFE780AC)
YUV	163.8130, 4.0362, 58.9230
Hunter-Lab	59.4338, 40.2163, -1.5228

Details

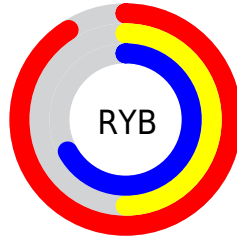
The CIELCh color **66, 45.135, 352.850** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **85, 41.827, 163.058**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 34.589, 340.412**, and **46, 45.320, 352.617** is the 20% darker color. If you saturate the color by 10%, you get **61, 54.609, 354.594**, and if you desaturate by 10%, it is **71, 35.059, 351.402**.

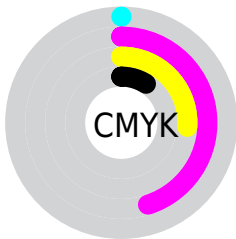
Distribution



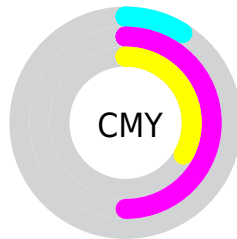
- Red (91%)
- Green (50%)
- Blue (67%)



- Red (91%)
- Yellow (50%)
- Blue (67%)



- Cyan (0%)
- Magenta (45%)
- Yellow (26%)
- Black (9%)





- Cyan (9%)
- Magenta (50%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 45.135, 352.850 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, 45.135, 352.850 by changing the saturation by 10% instead.


 66, 45.135,
352.850


 66, 45.135,
352.850


 100, 45.135,
352.850


 56, 45.135,
352.850


 86, 45.135,
352.850

 46, 45.135,
352.850

 96, 45.135,
352.850

 36, 45.135,
352.850

 26, 45.135,
352.850

 16, 45.135,
352.850

 6, 45.135, 352.850

 0, 45.135, 352.850

66, 45.135,
352.850

66, 45.135,
352.850

61, 54.609,
354.594

71, 35.059,
351.402

57, 63.002,
356.741

77, 24.773,
350.166

54, 69.790,
359.442

83, 14.540,
349.083

51, 74.594, 2.877

89, 4.527, 348.066

50, 77.397, 7.203

95, 5.176, 167.420

49, 78.437, 9.819

98, 8.569, 185.679

98, 8.251, 198.964

Harmonies

Complementary

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



66, 45.135, 352.850



85, 41.827, 163.058

Rectangle

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



66, 45.135, 352.850



66, 45.135, 42.850



66, 45.135, 172.850



66, 45.135, 222.850

Sweetspot

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



66, 45.132, 352.851



91, 13.992, 348.926



63, 60.201, 313.434



47, 9.821, 349.153



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, 45.132, 352.851



67, 58.572, 354.532



66, 41.008, 28.699



45, 5.584, 348.563



38, 64.657, 8.886



7, 27.048, 0.385

Inverse Universe

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



66, 45.132, 352.851



67, 58.572, 354.532



84, 29.299, 204.658



45, 5.584, 348.563



38, 64.657, 8.886



7, 27.048, 0.385

Previews

White Background



This preview shows how the CIELCh color 66, 45.135, 352.850 looks on a white background.

Color Contrast Check

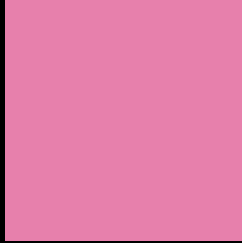
Large Text (above 18pt) WCAG AA × Fail

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, 45.135, 352.850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

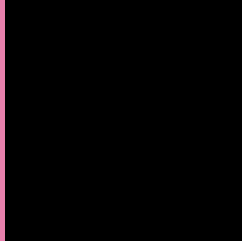
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 45.135, 352.850

Background



This preview shows how black text looks on a background with the CIELCh color 66, 45.135, 352.850.



This preview shows how white text looks on a background with the CIELCh color 66, 45.135, 352.850.

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, 45.135, 352.850

Protanopia

66, 18.337, 286.651

Deuteranopia

66, 9.196, 338.846



Tritanopia
66, 38.929, 15.746

Trichromacy



Original Color
66, 45.135, 352.850



Protanomaly
65, 24.075, 323.218



Deuteranomaly
66, 22.601, 347.660

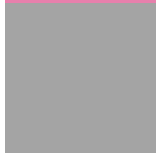


Tritanomaly
66, 40.363, 6.914

Monochromacy



Original Color
66, 45.135, 352.850



Achromatopsia
67, 0.008, 296.813



Achromatomaly
66, 16.725, 349.272

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 45.135, 352.850 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(231, 128, 172)` looks like.

```
.text, #text, p{  
    color:rgb(231, 128, 172)  
}
```

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(231, 128, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 128, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 45.135, 352.850 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(231, 128, 172) }
```

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

```
.border{ border-color:rgb(231, 128, 172) }
```

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

Here you see how a box with a 4 pixel rgb(231, 128, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 128, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 128, 172);  
box-shadow:4px 4px 4px 4px rgb(231, 128,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 45.135, 352.850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 128, 172) }
```

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

```
.background{ background-color: rgb(231,  
128, 172) }
```

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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