

Converting Colors

CIELCh(67, 45.767, 343.893)

Have a look what the booklet for
CIELCh(67, 45.767, 343.893)
contains.

CIELCh(67, 45.721, 343.785)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(67, 45.721, 343.785)

Conversions

Conversions Part 1

Format	Color
Hex	E484BB
RGB	228, 132, 187
RGB Percent	89%, 52%, 73%
CMY	0.1055, 0.4820, 0.2663
CMYK	0.00, 0.42, 0.18, 0.11
HSL	326°, 64%, 71%
HSV	326°, 42%, 89%
XYZ	49.2728, 36.6320, 51.5423
YIQ	166.9740, 39.5610, 37.4570

Conversions

Conversions Part 2

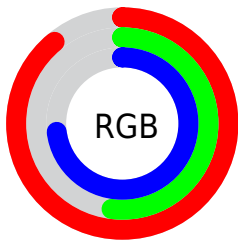
Format	Color
R _Y B	228, 132, 187
Decimal	14976187
CIE Lab	67.00, 43.90, -12.77
CIE LCh	67, 45.721, 343.785
Yxy	36.6320, 0.3585, 0.2665
Android (android.graphics.Color)	4293166267 (0xFFE484BB)
YUV	166.9740, 9.8728, 53.5198
Hunter-Lab	60.5244, 39.3989, -8.1240

Details

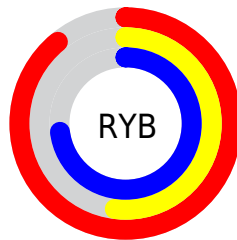
The CIELCh color $67, 45.721, 343.785$ is a light color, and the websafe version is hex FF99CC . A complement of this color would be $84, 44.307, 155.855$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $84, 37.789, 331.397$, and $47, 46.133, 343.721$ is the 20% darker color. If you saturate the color by 10%, you get $62, 55.728, 345.030$, and if you desaturate by 10%, it is $72, 35.028, 342.700$.

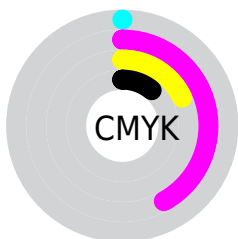
Distribution



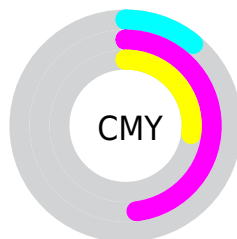
- Red (89%)
- Green (52%)
- Blue (73%)



- Red (89%)
- Yellow (52%)
- Blue (73%)



- Cyan (0%)
- Magenta (42%)
- Yellow (18%)
- Black (11%)





- Cyan (11%)
- Magenta (48%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 45.721, 343.785 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 67, 45.721, 343.785 by changing the saturation by 10% instead.


 67, 45.721,
343.785


 67, 45.721,
343.785


 100, 45.721,
343.785


 57, 45.721,
343.785


 87, 45.721,
343.785

 47, 45.721,
343.785

 97, 45.721,
343.785

 37, 45.721,
343.785

 27, 45.721,
343.785

 17, 45.721,
343.785

 7, 45.721, 343.785

 0, 45.721, 343.785

67, 45.721,
343.785

67, 45.721,
343.785

62, 55.728,
345.030

72, 35.028,
342.700

58, 64.552,
346.493

78, 24.051,
341.732

55, 71.621,
348.261

83, 13.062,
340.847

52, 76.439,
350.452

89, 2.236, 339.896

50, 78.788,
353.204

95, 8.323, 159.403

50, 79.275,
355.794

98, 10.545,
171.597

98, 9.149, 198.900

Harmonies

Complementary

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



67, 45.721, 343.785



84, 44.307, 155.855

Rectangle

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



67, 45.721, 343.785



67, 45.721, 33.785



67, 45.721, 163.785



67, 45.721, 213.785

Sweetspot

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



67, 45.718, 343.786



92, 15.391, 340.932



62, 55.281, 308.554



48, 10.791, 341.124



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



67, 45.718, 343.786



70, 59.823, 344.927



66, 39.465, 17.485



45, 6.152, 340.622



39, 66.158, 355.181



7, 28.469, 349.635

Inverse Universe

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



67, 45.718, 343.786



70, 59.823, 344.927



85, 30.665, 189.378



45, 6.152, 340.622



39, 66.158, 355.181



7, 28.469, 349.635

Previews

White Background



This preview shows how the CIELCh color 67, 45.721, 343.785 looks on a white background.

Color Contrast Check

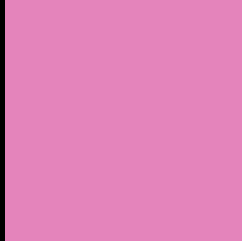
Large Text (above 18pt) WCAG AA × Fail

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 67, 45.721, 343.785 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

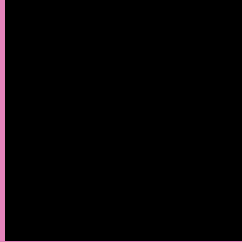
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 45.721, 343.785

Background



This preview shows how black text looks on a background with the CIELCh color 67, 45.721, 343.785.



This preview shows how white text looks on a background with the CIELCh color 67, 45.721, 343.785.

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
67, 34.617, 13.235

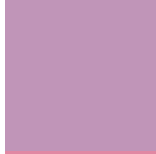
Trichromacy



Original Color
67, 45.721, 343.785



Protanomaly
67, 29.118, 313.279



Deuteranomaly
67, 25.040, 331.429

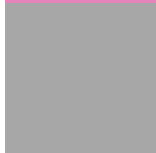


Tritanomaly
67, 37.343, 0.520

Monochromacy



Original Color
67, 45.721, 343.785



Achromatopsia
68, 0.008, 296.813



Achromatomaly
67, 17.249, 341.460

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 45.721, 343.785 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(228, 132, 187)` looks like.

```
.text, #text, p{  
    color:rgb(228, 132, 187)  
}
```

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(228, 132, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 132, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 45.721, 343.785 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(228, 132, 187) }
```

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

```
.border{ border-color:rgb(228, 132, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 132, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 132, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 132, 187);  
box-shadow:4px 4px 4px 4px rgb(228, 132,  
187) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 45.721, 343.785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 132, 187) }
```

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

```
.background{ background-color: rgb(228,  
132, 187) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor