

Converting Colors

CIELCh(72, 45.612, 346.632)

Have a look what the booklet for
CIELCh(72, 45.612, 346.632)
contains.

CIELCh(72, 45.582, 346.612)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(72, 45.582, 346.612)

Conversions

Conversions Part 1

Format	Color
Hex	F591C5
RGB	245, 145, 197
RGB Percent	96%, 57%, 77%
CMY	0.0395, 0.4316, 0.2277
CMYK	0.00, 0.41, 0.20, 0.04
HSL	329°, 83%, 76%
HSV	329°, 41%, 96%
XYZ	57.8177, 43.6590, 58.1637
YIQ	180.8280, 42.9080, 37.3720

Conversions

Conversions Part 2

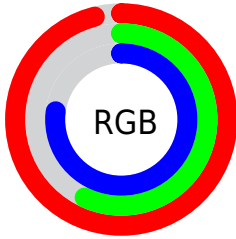
Format	Color
R _Y B	245, 145, 197
Decimal	16093637
CIE Lab	72.00, 44.34, -10.55
CIE LCh	72, 45.582, 346.612
Yxy	43.6590, 0.3622, 0.2735
Android (android.graphics.Color)	4294283717 (0xFFFF591C5)
YUV	180.8280, 7.9728, 56.2788
Hunter-Lab	66.0750, 40.5621, -5.9386

Details

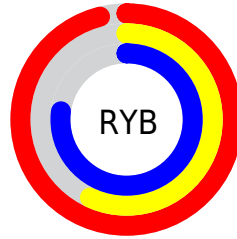
The CIELCh color **72, 45.582, 346.612** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **89, 43.657, 158.534**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **87, 33.449, 326.108**, and **52, 45.490, 346.853** is the 20% darker color. If you saturate the color by 10%, you get **67, 56.063, 347.986**, and if you desaturate by 10%, it is **78, 34.491, 345.432**.

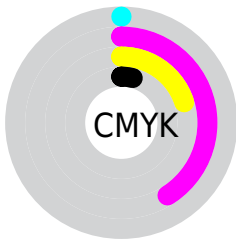
Distribution



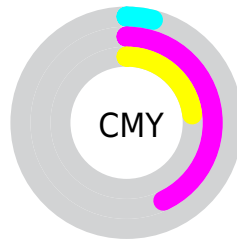
- Red (96%)
- Green (57%)
- Blue (77%)



- Red (96%)
- Yellow (57%)
- Blue (77%)



- Cyan (0%)
- Magenta (41%)
- Yellow (20%)
- Black (4%)





- Cyan (4%)
- Magenta (43%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 45.582, 346.612 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 72, 45.582, 346.612 by changing the saturation by 10% instead.


 72, 45.582,
346.612


 72, 45.582,
346.612


 100, 45.582,
346.612


 62, 45.582,
346.612


 92, 45.582,
346.612

 52, 45.582,
346.612

 42, 45.582,
346.612

 32, 45.582,
346.612

 22, 45.582,
346.612

 12, 45.582,
346.612

 2, 45.582, 346.612

0, 45.582, 346.612

72, 45.582,
346.612

72, 45.582,
346.612

67, 56.063,
347.986

78, 34.491,
345.432

62, 65.428,
349.625

84, 23.188,
344.393

59, 73.085,
351.634

90, 11.937,
343.451

56, 78.505,
354.154

96, 0.904, 342.143

99, 3.481, 199.375

54, 81.442,
357.346

53, 82.369, 0.908

Harmonies

Complementary

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



72, 45.582, 346.612



89, 43.657, 158.534

Rectangle

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



72, 45.582, 346.612



72, 45.582, 36.612



72, 45.582, 166.612



72, 45.582, 216.612

Sweetspot

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



72, 45.579, 346.613



92, 13.692, 343.561



68, 57.028, 310.073



48, 9.095, 343.681



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



72, 45.579, 346.613



70, 56.009, 347.733



71, 40.772, 21.039



48, 6.256, 343.330



40, 67.151, 0.136



9, 30.456, 354.357

Inverse Universe

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



72, 45.579, 346.613



70, 56.009, 347.733



91, 30.996, 194.209



48, 6.256, 343.330



40, 67.151, 0.136



9, 30.456, 354.357

Previews

White Background



This preview shows how the CIELCh color 72, 45.582, 346.612 looks on a white background.

Color Contrast Check

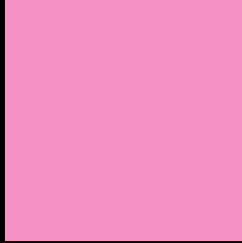
Large Text (above 18pt) WCAG AA × Fail

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 72, 45.582, 346.612 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 72, 45.582, 346.612

Background



This preview shows how black text looks on a background with the CIELCh color 72, 45.582, 346.612.

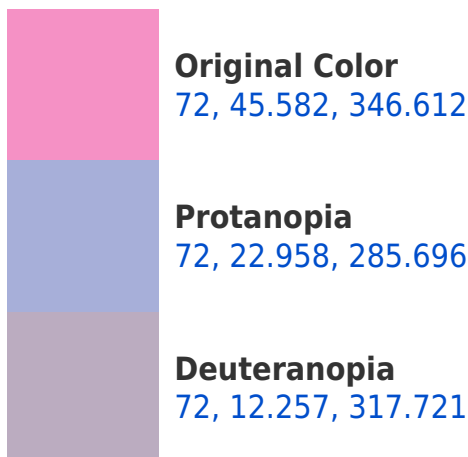


This preview shows how white text looks on a background with the CIELCh color 72, 45.582, 346.612.

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
72, 36.115, 12.860

Trichromacy



Original Color
72, 45.582, 346.612



Protanomaly
71, 27.495, 315.829



Deuteranomaly
72, 24.297, 336.020



Tritanomaly
72, 38.188, 2.077

Monochromacy



Original Color
72, 45.582, 346.612



Achromatopsia
74, 0.009, 296.813



Achromatomaly
73, 16.979, 343.650

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 45.582, 346.612 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(245, 145, 197)` looks like.

```
.text, #text, p{  
    color:rgb(245, 145, 197)  
}
```

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(245, 145, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 145, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 45.582, 346.612 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(245, 145, 197) }
```

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

```
.border{ border-color:rgb(245, 145, 197) }
```

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

Here you see how a box with a 4 pixel rgb(245, 145, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 145, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 145, 197);  
box-shadow:4px 4px 4px 4px rgb(245, 145,  
197) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 45.582, 346.612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 145, 197) }
```

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

```
.background{ background-color: rgb(245,  
145, 197) }
```

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