

Converting Colors

CIELCh(66, 76.622, 336.870)

Have a look what the booklet for
CIELCh(66, 76.622, 336.870)
contains.

CIELCh(66, 76.609, 336.807)	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(66, 76.609, 336.807)

Conversions

Conversions Part 1

Format	Color
Hex	FE65D8
RGB	254, 101, 216
RGB Percent	100%, 40%, 85%
CMY	0.0040, 0.6040, 0.1530
CMYK	0.00, 0.60, 0.15, 0.00
HSL	315°, 99%, 70%
HSV	315°, 60%, 100%
XYZ	57.9047, 35.3238, 68.7138
YIQ	159.8570, 54.2730, 68.2010

Conversions

Conversions Part 2

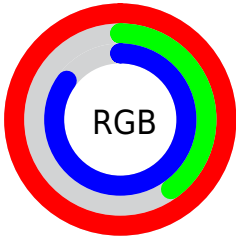
Format	Color
R _Y B	254, 101, 216
Decimal	16672216
CIE Lab	66.00, 70.42, -30.17
CIE LCh	66, 76.609, 336.807
Yxy	35.3238, 0.3576, 0.2181
Android (android.graphics.Color)	4294862296 (0xFFFE65D8)
YUV	159.8570, 27.6785, 82.5634
Hunter-Lab	59.4338, 69.8984, -26.9438

Details

The CIELCh color **66, 76.609, 336.807** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **90, 77.358, 146.178**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **78, 59.735, 326.477**, and **46, 76.564, 336.777** is the 20% darker color. If you saturate the color by 10%, you get **62, 85.307, 337.769**, and if you desaturate by 10%, it is **70, 65.837, 335.933**.

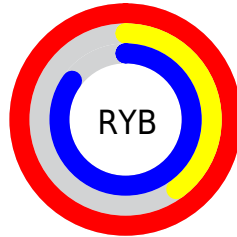
Distribution



Red (100%)

Green (40%)

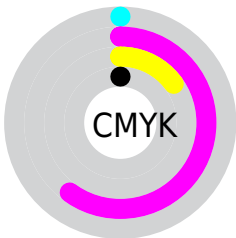
Blue (85%)



Red (100%)

Yellow (40%)

Blue (85%)

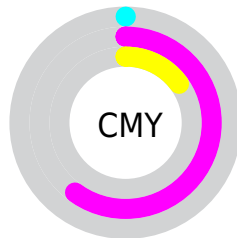


Cyan (0%)

Magenta (60%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (60%)


Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 76.609, 336.807 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, 76.609, 336.807 by changing the saturation by 10% instead.


 66, 76.609,
336.807


 66, 76.609,
336.807


 100, 76.609,
336.807


 56, 76.609,
336.807


 86, 76.609,
336.807

 46, 76.609,
336.807

 96, 76.609,
336.807

 36, 76.609,
336.807

 26, 76.609,
336.807

 16, 76.609,
336.807

 6, 76.609, 336.807

 0, 76.609, 336.807

66, 76.609,
336.807

66, 76.609,
336.807

62, 85.307,
337.769

70, 65.837,
335.933

60, 91.361,
338.857

76, 53.646,
335.121

58, 94.448,
340.127

81, 40.608,
334.355

57, 94.945,
341.577

87, 27.178,
333.625

93, 13.679,
332.922

99, 0.327, 331.113

100, 0.357,
201.240

Harmonies

Complementary

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



66, 76.609, 336.807



90, 77.358, 146.178

Rectangle

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



66, 76.609, 336.807



66, 76.609, 26.807



66, 76.609, 156.807



66, 76.609, 206.807

Sweetspot

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



66, 76.606, 336.807



89, 24.230, 333.467



54, 87.382, 304.924



46, 16.854, 333.674



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, 76.606, 336.807



62, 86.855, 337.951



64, 62.110, 7.810



50, 7.616, 332.871



43, 76.937, 341.289



11, 36.160, 339.338

Inverse Universe

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



66, 76.606, 336.807



62, 86.855, 337.951



91, 50.586, 171.484



50, 7.616, 332.871



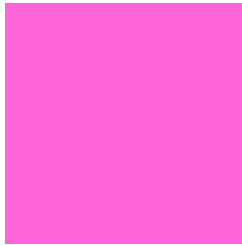
43, 76.937, 341.289



11, 36.160, 339.338

Previews

White Background



This preview shows how the CIELCh color 66, 76.609, 336.807 looks on a white background.

Color Contrast Check

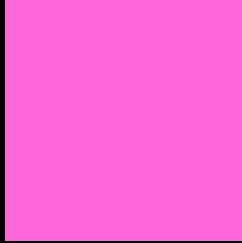
Large Text (above 18pt) WCAG AA × Fail

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, 76.609, 336.807 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

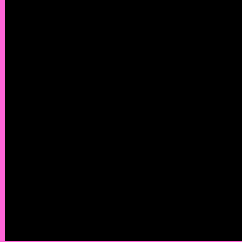
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 76.609, 336.807

Background



This preview shows how black text looks on a background with the CIELCh color 66, 76.609, 336.807.

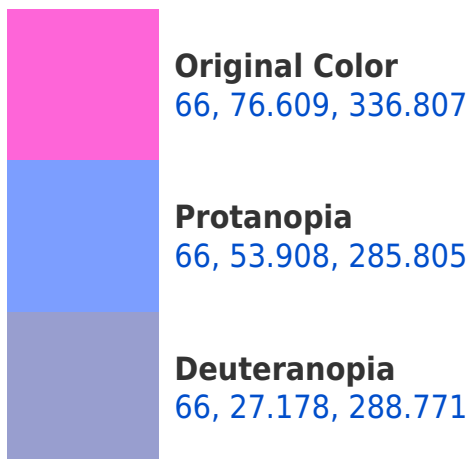


This preview shows how white text looks on a background with the CIELCh color 66, 76.609, 336.807.

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
66, 50.556, 20.423

Trichromacy



Original Color
66, 76.609, 336.807



Protanomaly
64, 58.942, 305.833



Deuteranomaly
64, 44.320, 317.610



Tritanomaly
66, 55.483, 359.647

Monochromacy



Original Color
66, 76.609, 336.807



Achromatopsia
66, 0.008, 296.813



Achromatomaly
64, 30.479, 334.427

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 76.609, 336.807 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(254, 101, 216)` looks like.

```
.text, #text, p{  
    color:rgb(254, 101, 216)  
}
```

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(254, 101, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 101, 216) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 76.609, 336.807 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(254, 101, 216) }
```

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

```
.border{ border-color:rgb(254, 101, 216) }
```

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

Here you see how a box with a 4 pixel rgb(254, 101, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 101, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 101, 216);  
box-shadow:4px 4px 4px 4px rgb(254, 101,  
216) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 76.609, 336.807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 101, 216) }
```

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

```
.background{ background-color: rgb(254,  
101, 216) }
```

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