

Converting Colors

CIELCh(65, 74.399, 335.236)

Have a look what the booklet for
CIELCh(65, 74.399, 335.236)
contains.

CIELCh(65, 74.623, 335.183)	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(65, 74.623, 335.183)

Conversions

Conversions Part 1

Format	Color
Hex	F666D7
RGB	246, 102, 215
RGB Percent	96%, 40%, 84%
CMY	0.0349, 0.5996, 0.1565
CMYK	0.00, 0.59, 0.13, 0.03
HSL	313°, 89%, 68%
HSV	313°, 59%, 97%
XYZ	55.0845, 34.0472, 68.0261
YIQ	157.9380, 49.5510, 65.6710

Conversions

Conversions Part 2

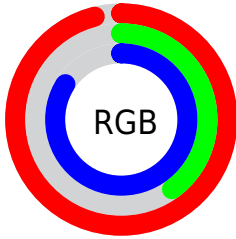
Format	Color
R _Y B	246, 102, 215
Decimal	16148183
CIE Lab	65.00, 67.73, -31.32
CIE LCh	65, 74.623, 335.183
Yxy	34.0472, 0.3505, 0.2166
Android (android.graphics.Color)	4294338263 (0xFFFF666D7)
YUV	157.9380, 28.1316, 77.2304
Hunter-Lab	58.3500, 66.3981, -28.2771

Details

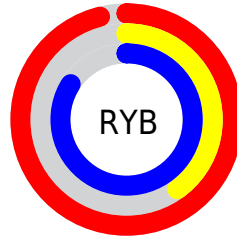
The CIELCh color **65, 74.623, 335.183** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **87, 75.384, 145.343**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **78, 59.735, 326.477**, and **45, 74.814, 335.271** is the 20% darker color. If you saturate the color by 10%, you get **61, 83.709, 336.018**, and if you desaturate by 10%, it is **69, 63.603, 334.402**.

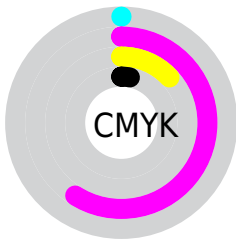
Distribution



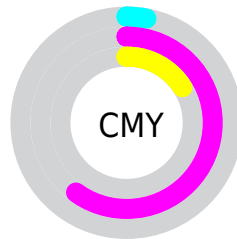
- Red (96%)
- Green (40%)
- Blue (84%)



- Red (96%)
- Yellow (40%)
- Blue (84%)



- Cyan (0%)
- Magenta (59%)
- Yellow (13%)
- Black (3%)



- Cyan (3%)
- Magenta (60%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 74.623, 335.183 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 65, 74.623, 335.183 by changing the saturation by 10% instead.

 65, 74.623,
335.183


 65, 74.623,
335.183


 100, 74.623,
335.183


 55, 74.623,
335.183


 85, 74.623,
335.183

 45, 74.623,
335.183

 95, 74.623,
335.183

 35, 74.623,
335.183

 25, 74.623,
335.183

 15, 74.623,
335.183

 5, 74.623, 335.183

 0, 74.623, 335.183

65, 74.623,
335.183

65, 74.623,
335.183

61, 83.709,
336.018

69, 63.603,
334.402

59, 90.287,
336.933

74, 51.282,
333.657

57, 93.986,
337.968

80, 38.201,
332.942

56, 94.946,
339.162

86, 24.783,
332.252

56, 94.987,
339.348

92, 11.332,
331.577

98, 1.955, 151.167

99, 3.418, 174.774

99, 3.076, 199.426

Harmonies

Complementary

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



65, 74.623, 335.183



87, 75.384, 145.343

Rectangle

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



65, 74.623, 335.183



65, 74.623, 25.183



65, 74.623, 155.183



65, 74.623, 205.183

Sweetspot

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



65, 74.620, 335.183



89, 24.800, 332.220



53, 82.644, 303.881



46, 17.248, 332.419



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



65, 74.620, 335.183



63, 87.275, 336.160



63, 59.126, 4.761



48, 7.540, 331.643



42, 77.235, 339.112



10, 35.072, 337.374

Inverse Universe

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



65, 74.620, 335.183



63, 87.275, 336.160



89, 49.717, 169.269



48, 7.540, 331.643



42, 77.235, 339.112



10, 35.072, 337.374

Previews

White Background



This preview shows how the CIELCh color 65, 74.623, 335.183 looks on a white background.

Color Contrast Check

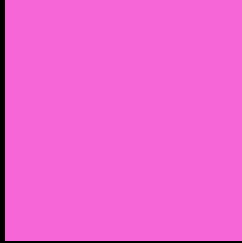
Large Text (above 18pt) WCAG AA × Fail

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 65, 74.623, 335.183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

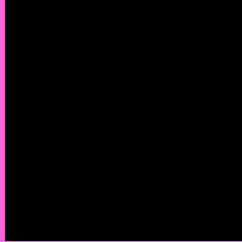
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 74.623, 335.183

Background



This preview shows how black text looks on a background with the CIELCh color 65, 74.623, 335.183.

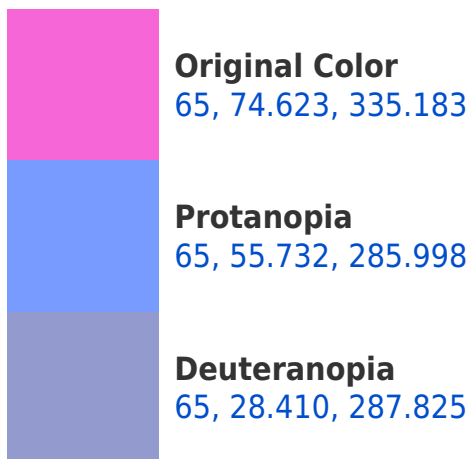


This preview shows how white text looks on a background with the CIELCh color 65, 74.623, 335.183.

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
65, 47.221, 19.037

Trichromacy



Original Color
65, 74.623, 335.183



Protanomaly
63, 58.838, 304.367



Deuteranomaly
64, 43.803, 315.442



Tritanomaly
64, 52.938, 357.687

Monochromacy



Original Color
65, 74.623, 335.183



Achromatopsia
65, 0.008, 296.813



Achromatomaly
64, 29.807, 332.690

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 74.623, 335.183 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(246, 102, 215)` looks like.

```
.text, #text, p{  
    color:rgb(246, 102, 215)  
}
```

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(246, 102, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 102, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 74.623, 335.183 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(246, 102, 215) }
```

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

```
.border{ border-color:rgb(246, 102, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 102, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 102, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 102, 215);  
box-shadow:4px 4px 4px 4px rgb(246, 102,  
215) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 74.623, 335.183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 102, 215) }
```

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

```
.background{ background-color: rgb(246,  
102, 215) }
```

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