

Converting Colors

CIELCh(65, 84.095, 335.003)

Have a look what the booklet for
CIELCh(65, 84.095, 335.003)
contains.

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Color

CIELCh(65, 84.008, 334.761)

Conversions

Conversions Part 1

Format	Color
Hex	FF5ADF
RGB	255, 90, 223
RGB Percent	100%, 35%, 87%
CMY	0.0000, 0.6456, 0.1242
CMYK	0.00, 0.65, 0.12, 0.00
HSL	312°, 100%, 68%
HSV	312°, 65%, 100%
XYZ	58.4228, 34.0472, 73.5397
YIQ	154.4970, 55.6470, 76.3430

Conversions

Conversions Part 2

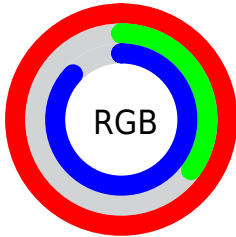
Format	Color
R _{YB}	255, 90, 223
Decimal	16734943
CIE _{Lab}	65.00, 75.99, -35.82
CIE _{LCh}	65, 84.008, 334.761
Y _{xy}	34.0472, 0.3519, 0.2051
Android (android.graphics.Color)	4294925023 (0xFFFF5ADF)
YUV	154.4970, 33.7720, 88.1411
Hunter-Lab	58.3500, 76.6104, -33.8794

Details

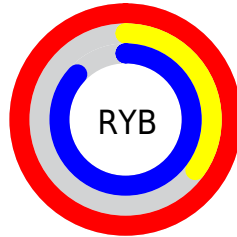
The CIELCh color **65, 84.008, 334.761** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light muted magenta. A complement of this color would be **89, 85.756, 143.706**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **76, 65.041, 326.652**, and **45, 83.862, 334.962** is the 20% darker color. If you saturate the color by 10%, you get **62, 91.915, 335.480**, and if you desaturate by 10%, it is **69, 73.618, 333.929**.

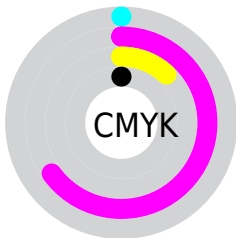
Distribution



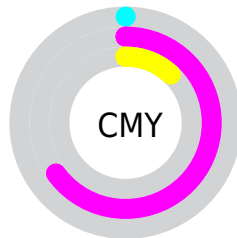
- Red (100%)
- Green (35%)
- Blue (87%)



- Red (100%)
- Yellow (35%)
- Blue (87%)



- Cyan (0%)
- Magenta (65%)
- Yellow (12%)
- Black (0%)





- Cyan (0%)
- Magenta (65%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 84.008, 334.761 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, 84.008, 334.761 by changing the saturation by 10% instead.


 65, 84.008,
334.761


 65, 84.008,
334.761


 100, 84.008,
334.761


 55, 84.008,
334.761


 85, 84.008,
334.761

 45, 84.008,
334.761

 95, 84.008,
334.761

 35, 84.008,
334.761

 25, 84.008,
334.761

 15, 84.008,
334.761

 5, 84.008, 334.761

 0, 84.008, 334.761

65, 84.008,
334.761

65, 84.008,
334.761

62, 91.915,
335.480

69, 73.618,
333.929

59, 96.990,
336.353

74, 61.516,
333.207

58, 99.061,
337.339

79, 48.279,
332.507

58, 99.244,
337.924

85, 34.429,
331.825

91, 20.358,
331.161

97, 6.337, 330.487

100, 0.012,
296.813

Harmonies

Complementary

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



65, 84.008, 334.761



89, 85.756, 143.706

Rectangle

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



65, 84.008, 334.761



65, 84.008, 24.761



65, 84.008, 154.761



65, 84.008, 204.761

Sweetspot

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



65, 83.963, 334.681



88, 26.612, 331.454



50, 94.406, 304.304



45, 18.327, 331.644



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, 83.963, 334.681



61, 93.431, 335.685



62, 66.544, 5.170



50, 7.926, 330.828



43, 80.136, 337.722



11, 37.516, 336.364

Inverse Universe

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



65, 83.963, 334.681



61, 93.431, 335.685



91, 56.000, 167.107



50, 7.926, 330.828



43, 80.136, 337.722



11, 37.516, 336.364

Previews

White Background



This preview shows how the CIELCh color 65, 84.008, 334.761 looks on a white background.

Color Contrast Check

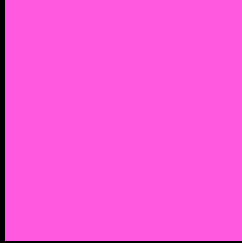
Large Text (above 18pt) WCAG AA × Fail

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, 84.008, 334.761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

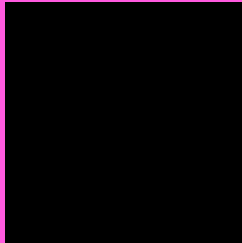
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 84.008, 334.761

Background



This preview shows how black text looks on a background with the CIELCh color 65, 84.008, 334.761.

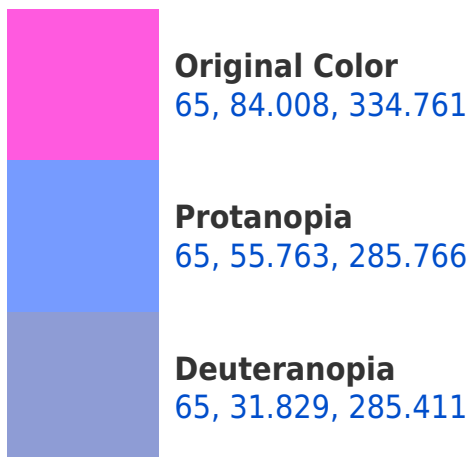


This preview shows how white text looks on a background with the CIELCh color 65, 84.008, 334.761.

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, 52.886, 21.082

Trichromacy



Original Color
65, 84.008, 334.761



Protanomaly
63, 63.632, 306.190



Deuteranomaly
63, 50.388, 314.235



Tritanomaly
65, 58.907, 358.674

Monochromacy



Original Color
65, 84.008, 334.761



Achromatopsia
64, 0.008, 296.813



Achromatomaly
62, 34.995, 331.924

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 84.008, 334.761 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(255, 90, 223)` looks like.

```
.text, #text, p{  
    color:rgb(255, 90, 223)  
}
```

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(255, 90, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 90, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 84.008, 334.761 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(255, 90, 223) }
```

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

```
.border{ border-color:rgb(255, 90, 223) }
```

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

Here you see how a box with a 4 pixel rgb(255, 90, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 90, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 90, 223);  
box-shadow:4px 4px 4px 4px rgb(255, 90,  
223) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 84.008, 334.761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 90, 223) }
```

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

```
.background{ background-color: rgb(255, 90,  
223) }
```

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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