

Converting Colors

CIELCh(65, 80.346, 337.218)

Have a look what the booklet for
CIELCh(65, 80.346, 337.218)
contains.

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Color

CIELCh(65, 80.060, 337.045)

Conversions

Conversions Part 1

Format	Color
Hex	FF5DD7
RGB	255, 93, 215
RGB Percent	100%, 36%, 84%
CMY	0.0000, 0.6348, 0.1564
CMYK	0.00, 0.63, 0.16, 0.00
HSL	315°, 100%, 68%
HSV	315°, 63%, 100%
XYZ	57.4927, 34.0472, 67.9106
YIQ	155.3460, 57.3900, 72.2860

Conversions

Conversions Part 2

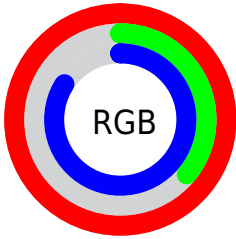
Format	Color
R _Y B	255, 93, 215
Decimal	16735703
CIE Lab	65.00, 73.72, -31.22
CIE LCh	65, 80.060, 337.045
Yxy	34.0472, 0.3606, 0.2135
Android (android.graphics.Color)	4294925783 (0xFFFF5DD7)
YUV	155.3460, 29.4094, 87.3966
Hunter-Lab	58.3500, 73.7650, -28.1597

Details

The CIELCh color **65, 80.060, 337.045** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted magenta. A complement of this color would be **90, 81.269, 145.616**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **77, 63.873, 326.613**, and **45, 80.058, 337.101** is the 20% darker color. If you saturate the color by 10%, you get **62, 87.972, 338.006**, and if you desaturate by 10%, it is **69, 69.825, 336.122**.

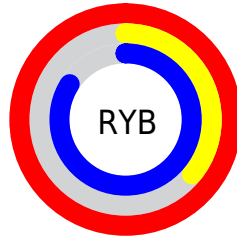
Distribution



Red (100%)

Green (36%)

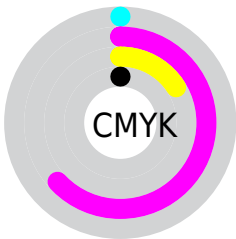
Blue (84%)



Red (100%)

Yellow (36%)

Blue (84%)

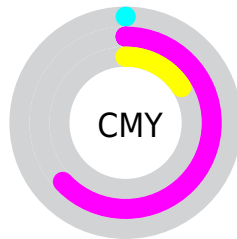


Cyan (0%)

Magenta (63%)

Yellow (16%)

Black (0%)



Cyan (0%)


Magenta (63%)


Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 80.060, 337.045 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, 80.060, 337.045 by changing the saturation by 10% instead.


 65, 80.060,
337.045


 65, 80.060,
337.045


 100, 80.060,
337.045


 55, 80.060,
337.045


 85, 80.060,
337.045

 45, 80.060,
337.045

 95, 80.060,
337.045

 35, 80.060,
337.045

 25, 80.060,
337.045

 15, 80.060,
337.045

 5, 80.060, 337.045

 0, 80.060, 337.045

65, 80.060,
337.045

65, 80.060,
337.045

62, 87.972,
338.006

69, 69.825,
336.122

59, 93.102,
339.137

74, 57.975,
335.296

58, 95.243,
340.465

80, 45.098,
334.519

57, 95.367,
341.445

85, 31.693,
333.781

91, 18.125,
333.073

98, 4.645, 332.346

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, 80.060, 337.045



90, 81.269, 145.616

Rectangle

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



65, 80.060, 337.045



65, 80.060, 27.045



65, 80.060, 157.045



65, 80.060, 207.045

Sweetspot

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



65, 80.039, 337.016



88, 25.622, 333.461



52, 92.580, 305.297



45, 17.648, 333.665



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, 80.039, 337.016



61, 89.546, 338.276



62, 65.369, 8.751



50, 7.627, 332.796



43, 77.044, 341.157



11, 36.206, 339.228

Inverse Universe

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



65, 80.039, 337.016



61, 89.546, 338.276



91, 52.751, 170.994



50, 7.627, 332.796



43, 77.044, 341.157



11, 36.206, 339.228

Previews

White Background



This preview shows how the CIELCh color 65, 80.060, 337.045 looks on a white background.

Color Contrast Check

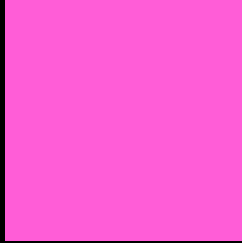
Large Text (above 18pt) WCAG AA × Fail

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, 80.060, 337.045 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

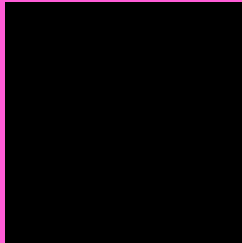
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 80.060, 337.045

Background



This preview shows how black text looks on a background with the CIELCh color 65, 80.060, 337.045.

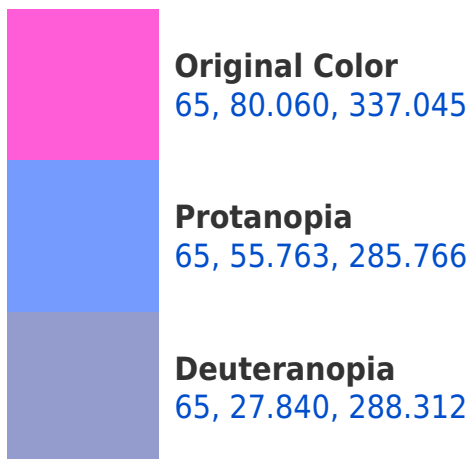


This preview shows how white text looks on a background with the CIELCh color 65, 80.060, 337.045.

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, 53.757, 21.300

Trichromacy



Original Color
65, 80.060, 337.045



Protanomaly
63, 60.805, 305.959



Deuteranomaly
63, 46.182, 317.620



Tritanomaly
64, 58.557, 0.224

Monochromacy



Original Color
65, 80.060, 337.045



Achromatopsia
64, 0.008, 296.813



Achromatomaly
63, 32.515, 334.048

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 80.060, 337.045 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, 93, 215)` looks like.

```
.text, #text, p{  
    color:rgb(255, 93, 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(255, 93, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 93, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 80.060, 337.045 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, 93, 215) }
```

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

```
.border{ border-color:rgb(255, 93, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 93, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 93, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 93, 215);  
box-shadow:4px 4px 4px 4px rgb(255, 93,  
215) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 80.060, 337.045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 93, 215) }
```

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

```
.background{ background-color: rgb(255, 93,  
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](#).

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