

Converting Colors

CIELCh(83, 100.550, 356.973)

Have a look what the booklet for
CIELCh(83, 100.550, 356.973)
contains.

CIELCh(66, 80.704, 335.440)	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, 80.704, 335.440)

Conversions

Conversions Part 1

Format	Color
Hex	FF61DE
RGB	255, 97, 222
RGB Percent	100%, 38%, 87%
CMY	0.0000, 0.6191, 0.1292
CMYK	0.00, 0.62, 0.13, 0.00
HSL	313°, 100%, 69%
HSV	313°, 62%, 100%
XYZ	59.1366, 35.3238, 72.8476
YIQ	158.4920, 54.0430, 72.3710

Conversions

Conversions Part 2

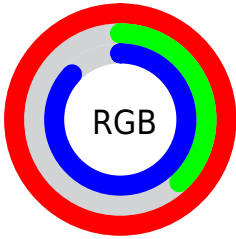
Format	Color
RYB	255, 97, 222
Decimal	16736734
CIELab	66.00, 73.40, -33.54
CIElCh	66, 80.704, 335.440
Yxy	35.3238, 0.3535, 0.2111
Android (android.graphics.Color)	4294926814 (0xFFFF61DE)
YUV	158.4920, 31.3094, 84.6375
Hunter-Lab	59.4338, 73.5981, -31.0676

Details

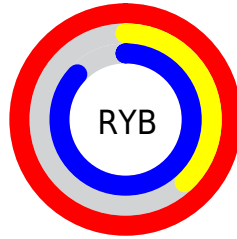
The CIELCh color **66, 80.704, 335.440** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **90, 81.832, 144.615**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **77, 61.517, 326.536**, and **46, 80.430, 335.378** is the 20% darker color. If you saturate the color by 10%, you get **62, 89.096, 336.017**, and if you desaturate by 10%, it is **70, 69.791, 334.395**.

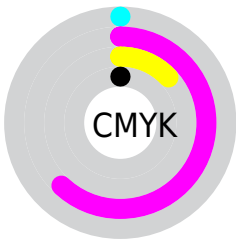
Distribution



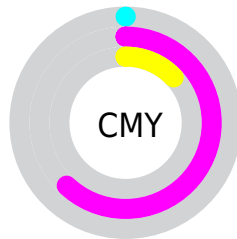
- Red (100%)
- Green (38%)
- Blue (87%)



- Red (100%)
- Yellow (38%)
- Blue (87%)



- Cyan (0%)
- Magenta (62%)
- Yellow (13%)
- Black (0%)





- Cyan (0%)
- Magenta (62%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 80.704, 335.440 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, 80.704, 335.440 by changing the saturation by 10% instead.

 66, 80.704,
335.440


 66, 80.704,
335.440


 100, 80.704,
335.440


 56, 80.704,
335.440


 86, 80.704,
335.440

 46, 80.704,
335.440

 96, 80.704,
335.440

 36, 80.704,
335.440

 26, 80.704,
335.440

 16, 80.704,
335.440

 6, 80.704, 335.440

 0, 80.704, 335.440

66, 80.704,
335.440

66, 80.704,
335.440

62, 89.096,
336.017

70, 69.791,
334.395

60, 94.875,
336.940

75, 57.458,
333.650

58, 97.643,
337.989

80, 44.154,
332.933

58, 98.031,
338.946

86, 30.363,
332.241

92, 16.439,
331.567

99, 2.625, 330.811

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.



66, 80.704, 335.440



90, 81.832, 144.615

Rectangle

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



66, 80.704, 335.440



66, 80.704, 25.440



66, 80.704, 155.440



66, 80.704, 205.440

Sweetspot

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



66, 80.552, 335.178



88, 26.309, 332.043



52, 90.304, 304.332



45, 18.120, 332.237



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, 80.552, 335.178



62, 90.545, 336.201



63, 64.047, 5.703



50, 7.834, 331.406



43, 79.170, 338.720



11, 37.110, 337.199

Inverse Universe

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



66, 80.552, 335.178



62, 90.545, 336.201



91, 53.421, 168.730



50, 7.834, 331.406



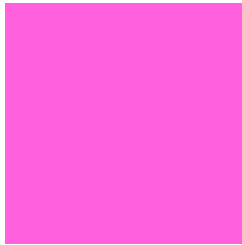
43, 79.170, 338.720



11, 37.110, 337.199

Previews

White Background



This preview shows how the CIELCh color 66, 80.704, 335.440 looks on a white background.

Color Contrast Check

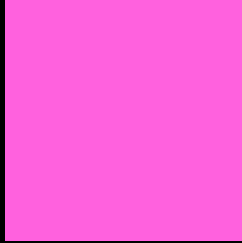
Large Text (above 18pt) WCAG AA × Fail

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, 80.704, 335.440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

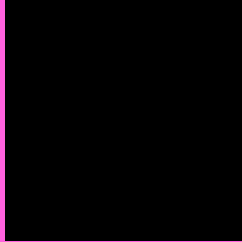
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 80.704, 335.440

Background



This preview shows how black text looks on a background with the CIELCh color 66, 80.704, 335.440.

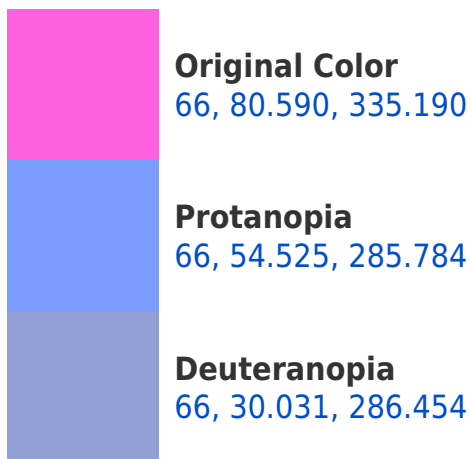


This preview shows how white text looks on a background with the CIELCh color 66, 80.704, 335.440.

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, 51.426, 20.642

Trichromacy



Original Color
66, 80.590, 335.190



Protanomaly
64, 61.209, 305.857



Deuteranomaly
64, 47.604, 314.937



Tritanomaly
65, 56.856, 358.831

Monochromacy



Original Color
66, 80.590, 335.190



Achromatopsia
65, 0.008, 296.813



Achromatomaly
64, 33.205, 332.692

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 80.704, 335.440 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, 97, 222)` looks like.

```
.text, #text, p{  
    color:rgb(255, 97, 222)  
}
```

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, 97, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 97, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 80.704, 335.440 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, 97, 222) }
```

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

```
.border{ border-color:rgb(255, 97, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 97, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 97, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 97, 222);  
box-shadow:4px 4px 4px 4px rgb(255, 97,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 80.704, 335.440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 97, 222) }
```

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

```
.background{ background-color: rgb(255, 97,  
222) }
```

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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