

Converting Colors

CIELCh(65, 90.166, 332.064)

Have a look what the booklet for
CIELCh(65, 90.166, 332.064)
contains.

CIELCh(65, 90.279, 331.779)	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, 90.279, 331.779)

Conversions

Conversions Part 1

Format	Color
Hex	FF56EC
RGB	255, 86, 236
RGB Percent	100%, 34%, 93%
CMY	0.0000, 0.6637, 0.0758
CMYK	0.00, 0.66, 0.08, 0.00
HSL	307°, 100%, 67%
HSV	307°, 66%, 100%
XYZ	59.9025, 34.0472, 82.5196
YIQ	153.6310, 52.5740, 82.4780

Conversions

Conversions Part 2

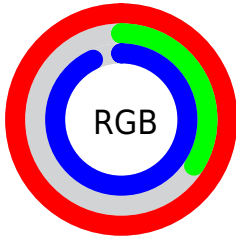
Format	Color
R _Y B	255, 86, 236
Decimal	16733932
CIE _{Lab}	65.00, 79.55, -42.69
CIE _{LCh}	65, 90.279, 331.779
Yxy	34.0472, 0.3394, 0.1929
Android (android.graphics.Color)	4294924012 (0xFFFF56EC)
YUV	153.6310, 40.6079, 88.9006
Hunter-Lab	58.3500, 81.1369, -43.0040

Details

The CIELCh color **65, 90.279, 331.779** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **89, 92.473, 141.190**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **76, 66.782, 326.709**, and **45, 88.890, 331.565** is the 20% darker color. If you saturate the color by 10%, you get **62, 98.174, 332.181**, and if you desaturate by 10%, it is **69, 79.709, 331.064**.

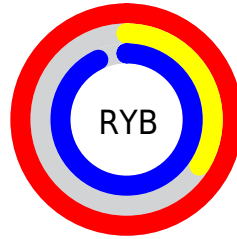
Distribution



Red (100%)

Green (34%)

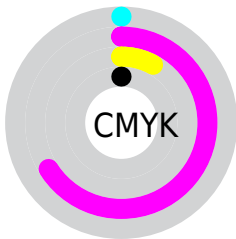
Blue (93%)



Red (100%)

Yellow (34%)

Blue (93%)

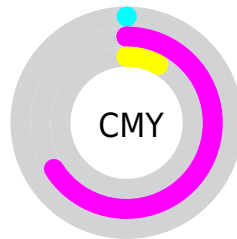


Cyan (0%)

Magenta (66%)

Yellow (8%)

Black (0%)



Cyan (0%)


Magenta (66%)


Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 90.279, 331.779 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, 90.279, 331.779 by changing the saturation by 10% instead.


 65, 90.279,
331.779


 65, 90.279,
331.779


 100, 90.279,
331.779


 55, 90.279,
331.779


 85, 90.279,
331.779

 45, 90.279,
331.779

 95, 90.279,
331.779

 35, 90.279,
331.779

 25, 90.279,
331.779

 15, 90.279,
331.779

 5, 90.279, 331.779

 0, 90.279, 331.779

65, 90.279,
331.779

65, 90.279,
331.779

62, 98.174,
332.181

69, 79.709,
331.064

60, 103.177,
332.726

73, 67.263,
330.479

59, 105.207,
333.282

78, 53.513,
329.879

59, 105.482,
333.488

84, 39.013,
329.272

90, 24.194,
328.662

96, 9.366, 328.044

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, 90.279, 331.779



89, 92.473, 141.190

Rectangle

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



65, 90.279, 331.779



65, 90.279, 21.779



65, 90.279, 151.779



65, 90.279, 201.779

Sweetspot

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



65, 90.215, 331.631



88, 29.586, 328.883



48, 97.559, 302.899



45, 20.191, 329.055



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, 90.215, 331.631



61, 100.343, 332.379



62, 69.107, 359.289



50, 8.374, 328.242



44, 85.092, 333.387



12, 39.569, 332.697

Inverse Universe

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



65, 90.215, 331.631



61, 100.343, 332.379



90, 61.967, 161.298



50, 8.374, 328.242



44, 85.092, 333.387



12, 39.569, 332.697

Previews

White Background



This preview shows how the CIELCh color 65, 90.279, 331.779 looks on a white background.

Color Contrast Check

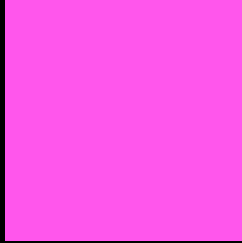
Large Text (above 18pt) WCAG AA × Fail

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, 90.279, 331.779 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

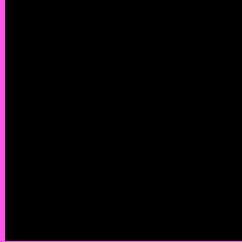
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 90.279, 331.779

Background



This preview shows how black text looks on a background with the CIELCh color 65, 90.279, 331.779.

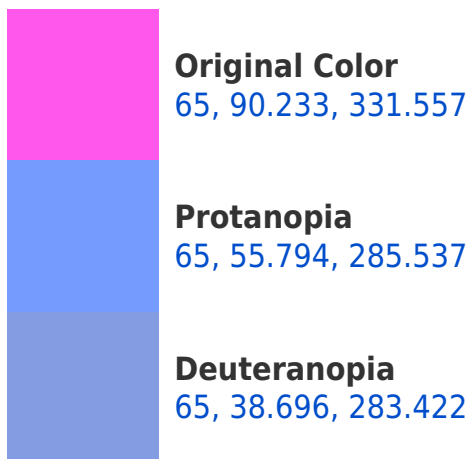


This preview shows how white text looks on a background with the CIELCh color 65, 90.279, 331.779.

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, 51.972, 20.319

Trichromacy



Original Color
65, 90.233, 331.557



Protanomaly
62, 66.854, 305.819



Deuteranomaly
62, 57.342, 310.461



Tritanomaly
64, 60.111, 354.751

Monochromacy



Original Color
65, 90.233, 331.557



Achromatopsia
63, 0.008, 296.813



Achromatomaly
62, 37.317, 329.604

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 90.279, 331.779 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, 86, 236)` looks like.

```
.text, #text, p{  
    color:rgb(255, 86, 236)  
}
```

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, 86, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 86, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 90.279, 331.779 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, 86, 236) }
```

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

```
.border{ border-color:rgb(255, 86, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 86, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 86, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 86, 236);  
box-shadow:4px 4px 4px 4px rgb(255, 86,  
236) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 90.279, 331.779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 86, 236) }
```

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

```
.background{ background-color: rgb(255, 86,  
236) }
```

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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