

Converting Colors

CIELCh(66, 96.519, 327.657)

Have a look what the booklet for
CIELCh(66, 96.519, 327.657)
contains.

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Color

CIELCh(66, 96.516, 327.657)

Conversions

Conversions Part 1

Format	Color
Hex	FF58FF
RGB	255, 88, 255
RGB Percent	100%, 35%, 100%
CMY	0.0012, 0.6562, 0.0012
CMYK	0.00, 0.66, 0.00, 0.00
HSL	300°, 100%, 67%
HSV	300°, 66%, 100%
XYZ	62.5848, 35.3238, 97.8672
YIQ	156.9710, 45.9250, 87.3410

Conversions

Conversions Part 2

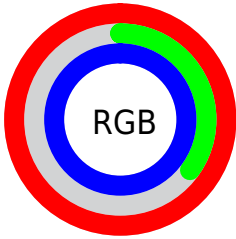
Format	Color
R _Y B	255, 88, 255
Decimal	16734463
CIE Lab	66.00, 81.54, -51.63
CIE LCh	66, 96.516, 327.657
Yxy	35.3238, 0.3197, 0.1804
Android (android.graphics.Color)	4294924543 (0xFFFF58FF)
YUV	156.9710, 48.3283, 85.9714
Hunter-Lab	59.4338, 83.9541, -56.0266

Details

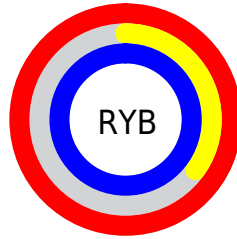
The CIELCh color **66, 96.516, 327.657** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **89, 97.974, 138.511**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **76, 65.623, 326.671**, and **46, 95.608, 327.432** is the 20% darker color. If you saturate the color by 10%, you get **63, 105.530, 327.933**, and if you desaturate by 10%, it is **70, 84.939, 327.295**.

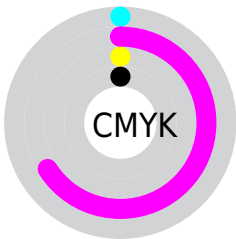
Distribution



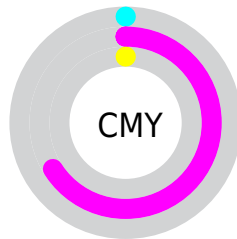
- Red (100%)
- Green (35%)
- Blue (100%)



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



- Cyan (0%)
- Magenta (66%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (66%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 96.516, 327.657 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, 96.516, 327.657 by changing the saturation by 10% instead.


 66, 96.516,
327.657


 66, 96.516,
327.657


 100, 96.516,
327.657


 56, 96.516,
327.657


 86, 96.516,
327.657

 46, 96.516,
327.657

 96, 96.516,
327.657

 36, 96.516,
327.657

 26, 96.516,
327.657

 16, 96.516,
327.657

 6, 96.516, 327.657

 0, 96.516, 327.657

66, 96.516,
327.657

66, 96.516,
327.657

63, 105.530,
327.933

70, 84.939,
327.295

61, 111.603,
328.116

74, 71.397,
326.860

60, 114.725,
328.208

79, 56.515,
326.370

60, 115.462,
328.230

85, 40.854,
325.841

90, 24.859,
325.289

96, 8.855, 324.713

100, 0.180,
146.087

100, 0.180,
145.940

100, 0.180,
145.793

Harmonies

Complementary

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



66, 96.516, 327.657



89, 97.974, 138.511

Rectangle

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



66, 96.516, 327.657



66, 96.516, 17.657



66, 96.516, 147.657



66, 96.516, 197.657

Sweetspot

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



66, 96.513, 327.657



88, 31.982, 325.536



48, 95.032, 300.488



45, 21.823, 325.690



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, 96.513, 327.657



63, 108.052, 328.006



63, 71.399, 350.776



50, 9.057, 324.945



45, 93.083, 328.230



12, 42.823, 328.230

Inverse Universe

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



61, 72.499, 29.295



56, 88.166, 33.901



90, 68.437, 155.000



49, 5.254, 19.938



40, 84.227, 39.998



10, 33.367, 27.174

Previews

White Background



This preview shows how the CIELCh color 66, 96.516, 327.657 looks on a white background.

Color Contrast Check

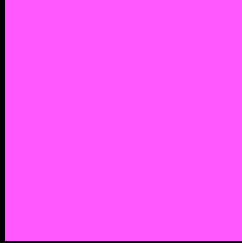
Large Text (above 18pt) WCAG AA × Fail

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, 96.516, 327.657 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

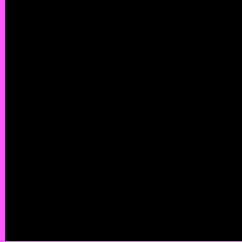
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 96.516, 327.657

Background



This preview shows how black text looks on a background with the CIELCh color 66, 96.516, 327.657.



This preview shows how white text looks on a background with the CIELCh color 66, 96.516, 327.657.

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



Original Color

66, 96.516, 327.657

Protanopia

66, 54.004, 285.067

Deuteranopia

66, 46.600, 281.448



Tritanopia
66, 47.918, 19.155

Trichromacy



Original Color
66, 96.516, 327.657



Protanomaly
64, 69.369, 305.748



Deuteranomaly
64, 63.938, 305.807

Tritanomaly
65, 59.528, 350.106

Monochromacy



Original Color
66, 96.516, 327.657



Achromatopsia
65, 0.008, 296.813



Achromatomaly
63, 40.220, 326.138

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 96.516, 327.657 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, 88, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 88, 255)  
}
```

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, 88, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 88, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 96.516, 327.657 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, 88, 255) }
```

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

```
.border{ border-color:rgb(255, 88, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 88, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 88, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 88, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 88,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 96.516, 327.657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 88, 255) }
```

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

```
.background{ background-color: rgb(255, 88,  
255) }
```

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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