

Converting Colors

CIELCh(65, 98.472, 328.851)

Have a look what the booklet for
CIELCh(65, 98.472, 328.851)
contains.

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Color

CIELCh(65, 98.510, 328.499)

Conversions

Conversions Part 1

Format	Color
Hex	FF50FC
RGB	255, 80, 252
RGB Percent	100%, 31%, 99%
CMY	0.0000, 0.6877, 0.0136
CMYK	0.00, 0.69, 0.01, 0.00
HSL	301°, 100%, 66%
HSV	301°, 69%, 100%
XYZ	61.7853, 34.0472, 95.0261
YIQ	151.9330, 49.0880, 90.5920

Conversions

Conversions Part 2

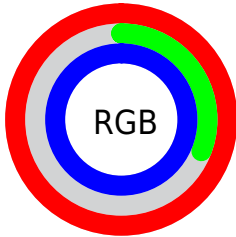
Format	Color
R _Y B	255, 80, 252
Decimal	16732412
CIE Lab	65.00, 83.99, -51.47
CIE LCh	65, 98.510, 328.499
Yxy	34.0472, 0.3237, 0.1784
Android (android.graphics.Color)	4294922492 (0xFFFF50FC)
YUV	151.9330, 49.3330, 90.3898
Hunter-Lab	58.3500, 86.8967, -55.7120

Details

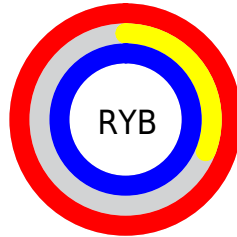
The CIELCh color **65, 98.510, 328.499** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **89, 100.491, 138.577**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **75, 69.646, 326.803**, and **46, 94.460, 328.029** is the 20% darker color. If you saturate the color by 10%, you get **62, 106.436, 328.684**, and if you desaturate by 10%, it is **68, 87.813, 328.024**.

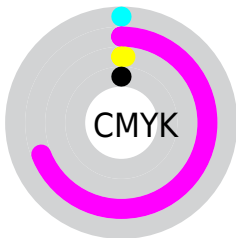
Distribution



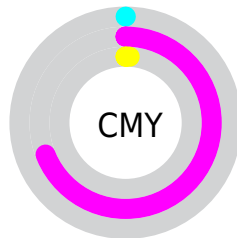
- Red (100%)
- Green (31%)
- Blue (99%)



- Red (100%)
- Yellow (31%)
- Blue (99%)



- Cyan (0%)
- Magenta (69%)
- Yellow (1%)
- Black (0%)



- Cyan (0%)
- Magenta (69%)
- Yellow (1%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 98.510, 328.499 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, 98.510, 328.499 by changing the saturation by 10% instead.

 65, 98.510,
328.499


 65, 98.510,
328.499

 100, 98.510,
328.499

 55, 98.510,
328.499

 85, 98.510,
328.499

 45, 98.510,
328.499

 95, 98.510,
328.499

 35, 98.510,
328.499

 25, 98.510,
328.499

 15, 98.510,
328.499

 5, 98.510, 328.499

 0, 98.510, 328.499

65, 98.510,
328.499

65, 98.510,
328.499

62, 106.436,
328.684

68, 87.813,
328.024

61, 111.392,
328.893

73, 74.989,
327.585

60, 113.577,
329.033

77, 60.641,
327.093

60, 113.760,
329.048

83, 45.358,
326.562

88, 29.620,
326.008

95, 13.786,
325.437

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, 98.510, 328.499



89, 100.491, 138.577

Rectangle

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



65, 98.510, 328.499



65, 98.510, 18.499



65, 98.510, 148.499



65, 98.510, 198.499

Sweetspot

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



65, 98.479, 328.393



87, 33.142, 326.133



45, 101.708, 301.968



45, 22.432, 326.286



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, 98.479, 328.393



62, 108.900, 328.782



61, 72.883, 353.780



50, 8.937, 325.479



45, 91.652, 329.034



12, 42.243, 328.936

Inverse Universe

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



65, 98.479, 328.393



62, 108.900, 328.782



90, 68.971, 156.136



50, 8.937, 325.479



45, 91.652, 329.034



12, 42.243, 328.936

Previews

White Background



This preview shows how the CIELCh color 65, 98.510, 328.499 looks on a white background.

Color Contrast Check

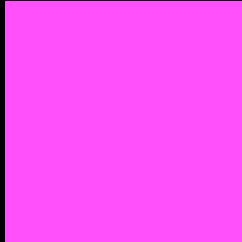
Large Text (above 18pt) WCAG AA × Fail

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, 98.510, 328.499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

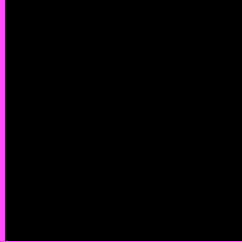
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 98.510, 328.499

Background



This preview shows how black text looks on a background with the CIELCh color 65, 98.510, 328.499.

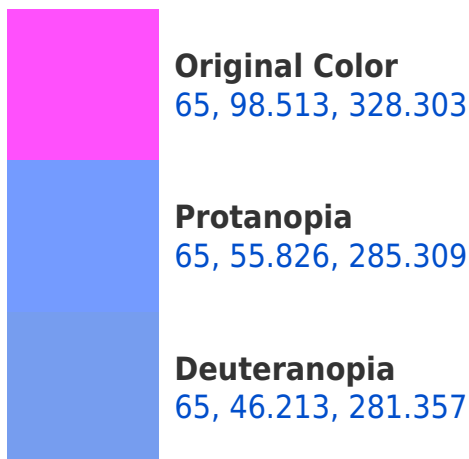


This preview shows how white text looks on a background with the CIELCh color 65, 98.510, 328.499.

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, 50.331, 20.466

Trichromacy



Original Color
65, 98.513, 328.303



Protanomaly
62, 71.230, 305.889



Deuteranomaly
62, 65.398, 306.543



Tritanomaly
64, 61.403, 351.444

Monochromacy



Original Color
65, 98.513, 328.303



Achromatopsia
63, 0.008, 296.813



Achromatomaly
61, 41.217, 326.667

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 98.510, 328.499 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, 80, 252)` looks like.

```
.text, #text, p{  
    color:rgb(255, 80, 252)  
}
```

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, 80, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 80, 252) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 98.510, 328.499 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, 80, 252) }
```

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

```
.border{ border-color:rgb(255, 80, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 80, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 80, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 80, 252);  
box-shadow:4px 4px 4px 4px rgb(255, 80,  
252) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 98.510, 328.499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 80, 252) }
```

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

```
.background{ background-color: rgb(255, 80,  
252) }
```

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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