

Converting Colors

CIELCh(63, 88.066, 336.334)

Have a look what the booklet for
CIELCh(63, 88.066, 336.334)
contains.

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Color

CIELCh(63, 87.971, 336.015)

Conversions

Conversions Part 1

Format	Color
Hex	FF4CDA
RGB	255, 76, 218
RGB Percent	100%, 30%, 85%
CMY	0.0000, 0.7027, 0.1464
CMYK	0.00, 0.70, 0.15, 0.00
HSL	312°, 100%, 65%
HSV	312°, 70%, 100%
XYZ	56.6945, 31.5869, 69.2157
YIQ	145.7090, 61.1020, 82.1100

Conversions

Conversions Part 2

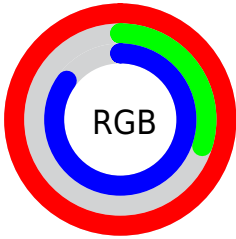
Format	Color
R _Y B	255, 76, 218
Decimal	16731354
CIE _{Lab}	63.00, 80.37, -35.76
CIE _{LCh}	63, 87.971, 336.015
Yxy	31.5869, 0.3600, 0.2006
Android (android.graphics.Color)	4294921434 (0xFFFF4CDA)
YUV	145.7090, 35.6395, 95.8482
Hunter-Lab	56.2022, 81.7094, -33.6768

Details

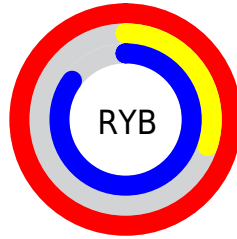
The CIELCh color **63, 87.971, 336.015** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **89, 90.757, 143.310**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **74, 71.904, 326.876**, and **44, 83.008, 335.837** is the 20% darker color. If you saturate the color by 10%, you get **60, 94.154, 336.762**, and if you desaturate by 10%, it is **66, 78.938, 335.030**.

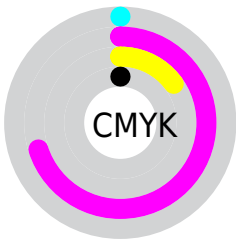
Distribution



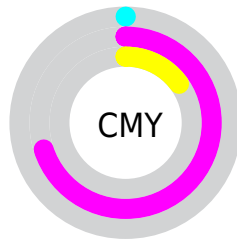
- Red (100%)
- Green (30%)
- Blue (85%)



- Red (100%)
- Yellow (30%)
- Blue (85%)



- Cyan (0%)
- Magenta (70%)
- Yellow (15%)
- Black (0%)





- Cyan (0%)
- Magenta (70%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 87.971, 336.015 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 63, 87.971, 336.015 by changing the saturation by 10% instead.


 63, 87.971,
336.015


 63, 87.971,
336.015


 100, 87.971,
336.015


 53, 87.971,
336.015


 83, 87.971,
336.015

 43, 87.971,
336.015

 93, 87.971,
336.015

 33, 87.971,
336.015

 23, 87.971,
336.015

 13, 87.971,
336.015

 3, 87.971, 336.015

 0, 87.971, 336.015

63, 87.971,
336.015

63, 87.971,
336.015

60, 94.154,
336.762

66, 78.938,
335.030

58, 97.416,
337.786

71, 67.871,
334.256

58, 98.058,
338.923

76, 55.337,
333.516

81, 41.920,
332.804

87, 28.082,
332.116

93, 14.160,
331.444

100, 0.376,
329.844

100, 0.012,

Harmonies

Complementary

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



63, 87.971, 336.015



89, 90.757, 143.310

Rectangle

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



63, 87.971, 336.015



63, 87.971, 26.015



63, 87.971, 156.015



63, 87.971, 206.015

Sweetspot

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



63, 87.891, 335.857



87, 29.102, 332.165



47, 102.809, 305.370



45, 19.704, 332.354



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



63, 87.891, 335.857



59, 95.726, 337.128



60, 71.276, 8.294



50, 7.836, 331.393



43, 79.191, 338.697



11, 37.119, 337.180

Inverse Universe

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



63, 87.891, 335.857



59, 95.726, 337.128



90, 58.524, 167.359



50, 7.836, 331.393



43, 79.191, 338.697



11, 37.119, 337.180

Previews

White Background



This preview shows how the CIELCh color 63, 87.971, 336.015 looks on a white background.

Color Contrast Check

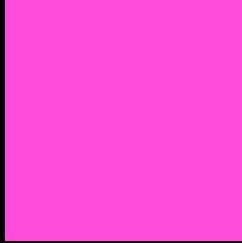
Large Text (above 18pt) WCAG AA × Fail

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 63, 87.971, 336.015 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 63, 87.971, 336.015

Background



This preview shows how black text looks on a background with the CIELCh color 63, 87.971, 336.015.

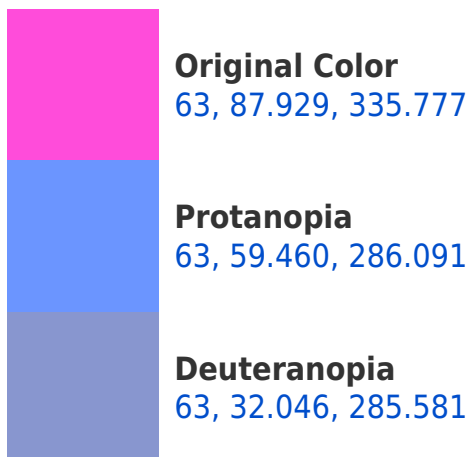


This preview shows how white text looks on a background with the CIELCh color 63, 87.971, 336.015.

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
63, 58.034, 22.566

Trichromacy



Original Color
63, 87.929, 335.777



Protanomaly
60, 67.964, 306.391



Deuteranomaly
60, 52.766, 315.499



Tritanomaly
62, 63.130, 0.537

Monochromacy



Original Color
63, 87.929, 335.777



Achromatopsia
61, 0.008, 296.813



Achromatomaly
59, 37.842, 333.271

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 87.971, 336.015 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, 76, 218)` looks like.

```
.text, #text, p{  
    color:rgb(255, 76, 218)  
}
```

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, 76, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 76, 218) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 87.971, 336.015 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, 76, 218) }
```

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

```
.border{ border-color:rgb(255, 76, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 76, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 76, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 76, 218);  
box-shadow:4px 4px 4px 4px rgb(255, 76,  
218) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 87.971, 336.015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 76, 218) }
```

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

```
.background{ background-color: rgb(255, 76,  
218) }
```

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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