

Converting Colors

CIELCh(82, 103.847, 1.064)

Have a look what the booklet for
CIELCh(82, 103.847, 1.064) contains.

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Color

CIELCh(63, 81.553, 339.569)

Conversions

Conversions Part 1

Format	Color
Hex	FF52CD
RGB	255, 82, 205
RGB Percent	100%, 32%, 80%
CMY	0.0012, 0.6796, 0.1971
CMYK	0.00, 0.68, 0.20, 0.00
HSL	317°, 100%, 66%
HSV	317°, 68%, 100%
XYZ	55.1124, 31.5869, 60.7793
YIQ	147.7490, 63.6250, 74.9290

Conversions

Conversions Part 2

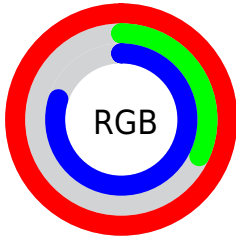
Format	Color
R _Y B	255, 82, 205
Decimal	16732877
CIE Lab	63.00, 76.42, -28.47
CIE LCh	63, 81.553, 339.569
Yxy	31.5869, 0.3737, 0.2142
Android (android.graphics.Color)	4294922957 (0xFFFF52CD)
YUV	147.7490, 28.2247, 94.0591
Hunter-Lab	56.2022, 76.6846, -24.7770

Details

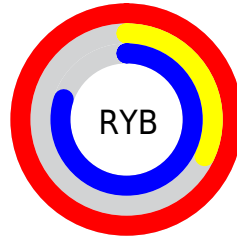
The CIELCh color **63, 81.553, 339.569** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted magenta. A complement of this color would be **89, 83.103, 146.375**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **75, 69.077, 326.784**, and **44, 78.952, 339.883** is the 20% darker color. If you saturate the color by 10%, you get **60, 88.092, 340.816**, and if you desaturate by 10%, it is **67, 72.511, 338.491**.

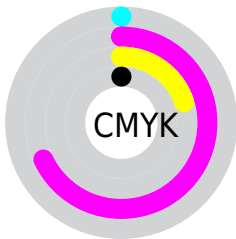
Distribution



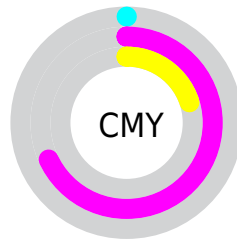
- Red (100%)
- Green (32%)
- Blue (80%)



- Red (100%)
- Yellow (32%)
- Blue (80%)



- Cyan (0%)
- Magenta (68%)
- Yellow (20%)
- Black (0%)





- Cyan (0%)
- Magenta (68%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 81.553, 339.569 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, 81.553, 339.569 by changing the saturation by 10% instead.


 63, 81.553,
339.569


 63, 81.553,
339.569


 100, 81.553,
339.569


 53, 81.553,
339.569


 83, 81.553,
339.569

 43, 81.553,
339.569

 93, 81.553,
339.569

 33, 81.553,
339.569

 23, 81.553,
339.569

 13, 81.553,
339.569

 3, 81.553, 339.569

 0, 81.553, 339.569

63, 81.553,
339.569

63, 81.553,
339.569

60, 88.092,
340.816

67, 72.511,
338.491

58, 91.733,
342.299

72, 61.593,
337.530

57, 92.551,
344.088

77, 49.431,
336.653

57, 92.550,
344.486

83, 36.570,
335.839

89, 23.427,
335.075

95, 10.289,
334.339

100, 0.102,
205.911

Harmonies

Complementary

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



63, 81.553, 339.569



89, 83.103, 146.375

Rectangle

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



63, 81.553, 339.569



63, 81.553, 29.569



63, 81.553, 159.569



63, 81.553, 209.569

Sweetspot

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



63, 81.549, 339.569



87, 26.188, 335.230



49, 98.823, 306.903



45, 17.882, 335.443



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, 81.549, 339.569



59, 90.018, 341.389



60, 69.644, 14.132



50, 7.399, 334.456



43, 74.852, 344.121



11, 35.252, 341.680

Inverse Universe

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



63, 81.549, 339.569



59, 90.018, 341.389



91, 52.693, 174.406



50, 7.399, 334.456



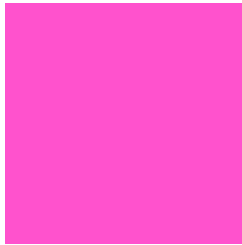
43, 74.852, 344.121



11, 35.252, 341.680

Previews

White Background



This preview shows how the CIELCh color 63, 81.553, 339.569 looks on a white background.

Color Contrast Check

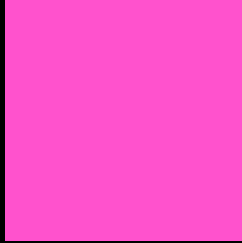
Large Text (above 18pt) WCAG AA × Fail

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, 81.553, 339.569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

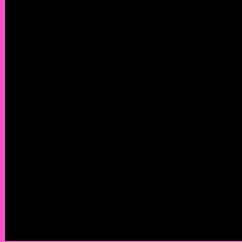
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 81.553, 339.569

Background



This preview shows how black text looks on a background with the CIELCh color 63, 81.553, 339.569.

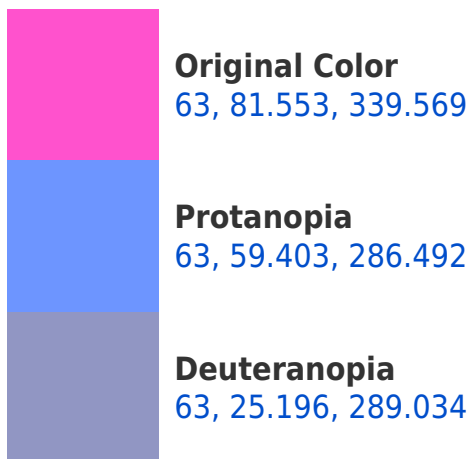


This preview shows how white text looks on a background with the CIELCh color 63, 81.553, 339.569.

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, 58.575, 23.167

Trichromacy



Original Color
63, 81.553, 339.569



Protanomaly
60, 64.019, 306.283



Deuteranomaly
61, 46.286, 320.770



Tritanomaly
62, 61.886, 3.460

Monochromacy



Original Color
63, 81.553, 339.569



Achromatopsia
61, 0.008, 296.813



Achromatomaly
59, 34.385, 336.130

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 81.553, 339.569 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, 82, 205)` looks like.

```
.text, #text, p{  
    color:rgb(255, 82, 205)  
}
```

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, 82, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 82, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 81.553, 339.569 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, 82, 205) }
```

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

```
.border{ border-color:rgb(255, 82, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 82, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 82, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 82, 205);  
box-shadow:4px 4px 4px 4px rgb(255, 82,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 81.553, 339.569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 82, 205) }
```

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

```
.background{ background-color: rgb(255, 82,  
205) }
```

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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