

Converting Colors

CIELCh(63, 81.304, 340.895)

Have a look what the booklet for
CIELCh(63, 81.304, 340.895)
contains.

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Color

CIELCh(63, 80.774, 340.742)

Conversions

Conversions Part 1

Format	Color
Hex	FF52CA
RGB	255, 82, 202
RGB Percent	100%, 32%, 79%
CMY	0.0000, 0.6799, 0.2097
CMYK	0.00, 0.68, 0.21, 0.00
HSL	319°, 100%, 66%
HSV	319°, 68%, 100%
XYZ	55.0455, 31.5869, 58.7783
YIQ	147.4070, 64.5880, 73.9960

Conversions

Conversions Part 2

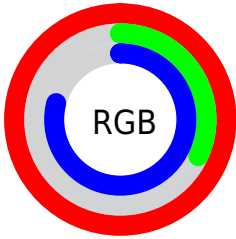
Format	Color
R _Y B	255, 82, 202
Decimal	16732874
CIE Lab	63.00, 76.25, -26.64
CIE LCh	63, 80.774, 340.742
Yxy	31.5869, 0.3786, 0.2172
Android (android.graphics.Color)	4294922954 (0xFFFF52CA)
YUV	147.4070, 26.9143, 94.3591
Hunter-Lab	56.2022, 76.4723, -22.6660

Details

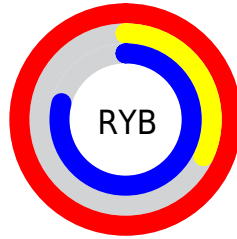
The CIELCh color **63, 80.774, 340.742** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted magenta. A complement of this color would be **89, 81.976, 147.072**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **75, 69.077, 326.784**, and **44, 78.369, 340.556** is the 20% darker color. If you saturate the color by 10%, you get **60, 87.138, 341.956**, and if you desaturate by 10%, it is **67, 71.750, 339.456**.

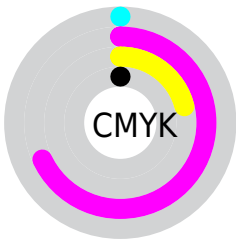
Distribution



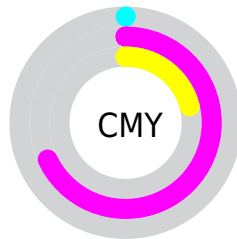
- Red (100%)
- Green (32%)
- Blue (79%)



- Red (100%)
- Yellow (32%)
- Blue (79%)



- Cyan (0%)
- Magenta (68%)
- Yellow (21%)
- Black (0%)




- Cyan (0%)
- Magenta (68%)
- Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 80.774, 340.742 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, 80.774, 340.742 by changing the saturation by 10% instead.


 63, 80.774,
340.742


 63, 80.774,
340.742

 100, 80.774,
340.742

 53, 80.774,
340.742


 83, 80.774,
340.742

 43, 80.774,
340.742

 93, 80.774,
340.742

 33, 80.774,
340.742

 23, 80.774,
340.742

 13, 80.774,
340.742

 3, 80.774, 340.742

 0, 80.774, 340.742

63, 80.774,
340.742

63, 80.774,
340.742

60, 87.138,
341.956

67, 71.750,
339.456

58, 90.707,
343.577

72, 60.951,
338.441

57, 91.479,
345.547

77, 48.923,
337.525

56, 91.474,
345.970

83, 36.209,
336.682

89, 23.222,
335.895

95, 10.247,
335.142

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.



63, 80.774, 340.742



89, 81.976, 147.072

Rectangle

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



63, 80.774, 340.742



63, 80.774, 30.742



63, 80.774, 160.742



63, 80.774, 210.742

Sweetspot

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



63, 80.684, 340.609



87, 25.833, 336.049



50, 98.928, 307.294



45, 17.641, 336.268



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, 80.684, 340.609



59, 88.924, 342.568



60, 69.977, 15.472



50, 7.296, 335.255



42, 73.923, 345.565



11, 34.839, 342.869

Inverse Universe

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



63, 80.684, 340.609



59, 88.924, 342.568



91, 51.962, 175.850



50, 7.296, 335.255



42, 73.923, 345.565



11, 34.839, 342.869

Previews

White Background



This preview shows how the CIELCh color 63, 80.774, 340.742 looks on a white background.

Color Contrast Check

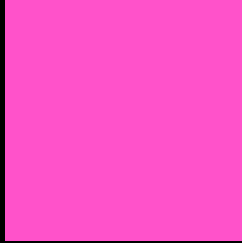
Large Text (above 18pt) WCAG AA × Fail

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, 80.774, 340.742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

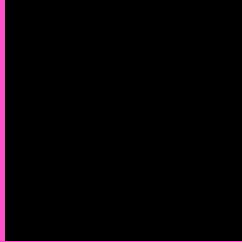
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 80.774, 340.742

Background



This preview shows how black text looks on a background with the CIELCh color 63, 80.774, 340.742.



This preview shows how white text looks on a background with the CIELCh color 63, 80.774, 340.742.

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, 59.448, 23.375

Trichromacy



Original Color
63, 80.669, 340.480



Protanomaly
60, 64.113, 306.568



Deuteranomaly
61, 45.193, 322.637



Tritanomaly
62, 62.491, 4.435

Monochromacy



Original Color
63, 80.669, 340.480



Achromatopsia
61, 0.008, 296.813



Achromatomaly
59, 34.017, 336.815

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 80.774, 340.742 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, 202)` looks like.

```
.text, #text, p{  
    color:rgb(255, 82, 202)  
}
```

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, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 82, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 80.774, 340.742 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, 202) }
```

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

```
.border{ border-color:rgb(255, 82, 202) }
```

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, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 82, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 82, 202);  
box-shadow:4px 4px 4px 4px rgb(255, 82,  
202) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 80.774, 340.742 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, 202) }
```

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

```
.background{ background-color: rgb(255, 82,  
202) }
```

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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