

Converting Colors

CIELCh(64, 84.065, 336.170)

Have a look what the booklet for
CIELCh(64, 84.065, 336.170)
contains.

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Color

CIELCh(64, 84.099, 336.245)

Conversions

Conversions Part 1

Format	Color
Hex	FF55D9
RGB	255, 85, 217
RGB Percent	100%, 33%, 85%
CMY	0.0000, 0.6663, 0.1487
CMYK	0.00, 0.67, 0.15, 0.00
HSL	313°, 100%, 67%
HSV	313°, 67%, 100%
XYZ	57.0627, 32.8017, 69.0244
YIQ	150.8780, 58.9480, 77.0920

Conversions

Conversions Part 2

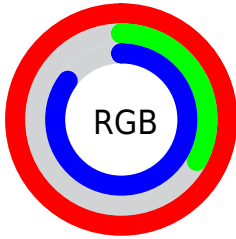
Format	Color
R _{YB}	255, 85, 217
Decimal	16733657
CIE Lab	64.00, 76.97, -33.88
CIE LCh	64, 84.099, 336.245
Yxy	32.8017, 0.3591, 0.2064
Android (android.graphics.Color)	4294923737 (0xFFFF55D9)
YUV	150.8780, 32.5981, 91.3150
Hunter-Lab	57.2727, 77.6181, -31.3647

Details

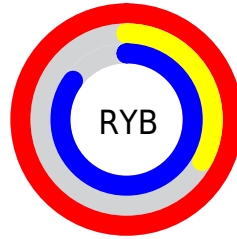
The CIELCh color **64, 84.099, 336.245** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light muted magenta. A complement of this color would be **89, 86.063, 144.358**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **75, 67.933, 326.747**, and **44, 82.681, 336.128** is the 20% darker color. If you saturate the color by 10%, you get **61, 91.300, 337.157**, and if you desaturate by 10%, it is **68, 74.382, 335.377**.

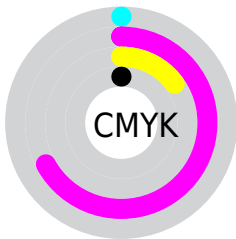
Distribution



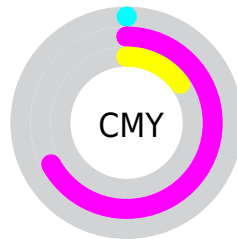
- Red (100%)
- Green (33%)
- Blue (85%)



- Red (100%)
- Yellow (33%)
- Blue (85%)



- Cyan (0%)
- Magenta (67%)
- Yellow (15%)
- Black (0%)



- Cyan (0%)
- Magenta (67%)
- Yellow (15%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 84.099, 336.245 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 64, 84.099, 336.245 by changing the saturation by 10% instead.


 64, 84.099,
336.245

 64, 84.099,
336.245


 100, 84.099,
336.245


 54, 84.099,
336.245


 84, 84.099,
336.245

 44, 84.099,
336.245

 94, 84.099,
336.245

 34, 84.099,
336.245

 24, 84.099,
336.245

 14, 84.099,
336.245

 4, 84.099, 336.245

 0, 84.099, 336.245

64, 84.099,
336.245

64, 84.099,
336.245

61, 91.300,
337.157

68, 74.382,
335.377

59, 95.591,
338.213

73, 62.815,
334.584

58, 96.931,
339.440

78, 50.018,
333.832

57, 96.982,
339.885

84, 36.533,
333.111

90, 22.771,
332.416

96, 9.021, 331.732

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.



64, 84.099, 336.245



89, 86.063, 144.358

Rectangle

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



64, 84.099, 336.245



64, 84.099, 26.245



64, 84.099, 156.245



64, 84.099, 206.245

Sweetspot

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



64, 84.085, 336.225



87, 27.422, 332.648



49, 97.367, 305.285



45, 18.719, 332.843



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



64, 84.085, 336.225



60, 93.085, 337.497



61, 68.217, 8.418



50, 7.754, 331.931



43, 78.333, 339.636



11, 36.756, 337.963

Inverse Universe

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



64, 84.085, 336.225



60, 93.085, 337.497



91, 55.483, 169.217



50, 7.754, 331.931



43, 78.333, 339.636



11, 36.756, 337.963

Previews

White Background



This preview shows how the CIELCh color 64, 84.099, 336.245 looks on a white background.

Color Contrast Check

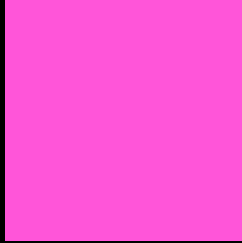
Large Text (above 18pt) WCAG AA × Fail

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 64, 84.099, 336.245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

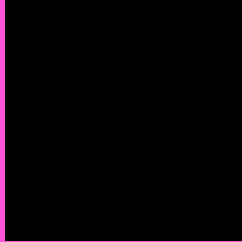
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 84.099, 336.245

Background



This preview shows how black text looks on a background with the CIELCh color 64, 84.099, 336.245.

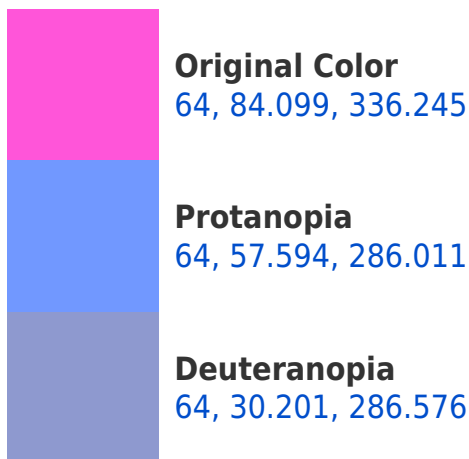


This preview shows how white text looks on a background with the CIELCh color 64, 84.099, 336.245.

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
64, 55.752, 22.381

Trichromacy



Original Color
64, 84.099, 336.245



Protanomaly
61, 64.352, 306.168



Deuteranomaly
62, 49.951, 316.232



Tritanomaly
64, 60.452, 0.580

Monochromacy



Original Color
64, 84.099, 336.245



Achromatopsia
62, 0.008, 296.813



Achromatomaly
61, 35.167, 333.612

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 84.099, 336.245 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, 85, 217)` looks like.

```
.text, #text, p{  
    color:rgb(255, 85, 217)  
}
```

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, 85, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 85, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 84.099, 336.245 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, 85, 217) }
```

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

```
.border{ border-color:rgb(255, 85, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 85, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 85, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 85, 217);  
box-shadow:4px 4px 4px 4px rgb(255, 85,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 84.099, 336.245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 85, 217) }
```

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

```
.background{ background-color: rgb(255, 85,  
217) }
```

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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