

Converting Colors

CIELCh(62, 84.720, 336.037)

Have a look what the booklet for
CIELCh(62, 84.720, 336.037)
contains.

CIELCh(62, 84.560, 336.084)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(62, 84.560, 336.084)

Conversions

Conversions Part 1

Format	Color
Hex	F94ED4
RGB	249, 78, 212
RGB Percent	98%, 31%, 83%
CMY	0.0229, 0.6934, 0.1681
CMYK	0.00, 0.69, 0.15, 0.02
HSL	313°, 94%, 64%
HSV	313°, 69%, 98%
XYZ	53.7621, 30.4025, 65.4188
YIQ	144.4050, 58.9020, 77.9260

Conversions

Conversions Part 2

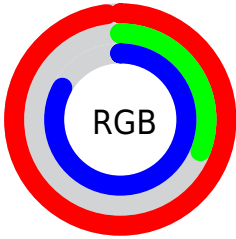
Format	Color
RYB	249, 78, 212
Decimal	16338644
CIELab	62.00, 77.30, -34.28
CIELCh	62, 84.560, 336.084
Yxy	30.4025, 0.3594, 0.2032
Android (android.graphics.Color)	4294528724 (0xFFFF94ED4)
YUV	144.4050, 33.3243, 91.7298
Hunter-Lab	55.1385, 77.5517, -31.7474

Details

The CIELCh color **62, 84.560, 336.084** 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 **87, 86.935, 143.842**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **74, 71.342, 326.858**, and **43, 80.836, 336.361** is the 20% darker color. If you saturate the color by 10%, you get **59, 91.149, 337.006**, and if you desaturate by 10%, it is **66, 75.418, 335.244**.

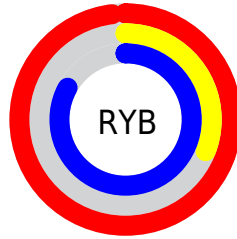
Distribution



Red (98%)

Green (31%)

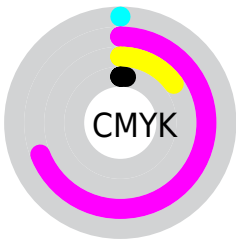
Blue (83%)



Red (98%)

Yellow (31%)

Blue (83%)

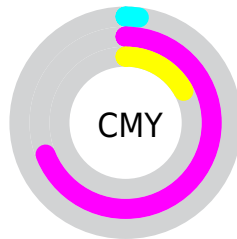


Cyan (0%)

Magenta (69%)

Yellow (15%)

Black (2%)



Cyan (2%)

Magenta (69%)

Yellow (17%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 62, 84.560, 336.084 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 62, 84.560, 336.084 by changing the saturation by 10% instead.

 62, 84.560,
336.084

 62, 84.560,
336.084


 100, 84.560,
336.084

 52, 84.560,
336.084


 82, 84.560,
336.084

 42, 84.560,
336.084

 92, 84.560,
336.084

 32, 84.560,
336.084

 22, 84.560,
336.084

 12, 84.560,
336.084

 2, 84.560, 336.084

 0, 84.560, 336.084

62, 84.560,
336.084

62, 84.560,
336.084

59, 91.149,
337.006

66, 75.418,
335.244

57, 94.830,
338.051

70, 64.323,
334.459

56, 95.753,
339.257

75, 51.902,
333.712

56, 95.786,
339.431

81, 38.706,
332.995

87, 25.167,
332.303

93, 11.590,
331.626

99, 1.822, 151.230

100, 2.026,
199.604

Harmonies

Complementary

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



62, 84.560, 336.084



87, 86.935, 143.842

Rectangle

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



62, 84.560, 336.084



62, 84.560, 26.084



62, 84.560, 156.084



62, 84.560, 206.084

Sweetspot

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



62, 84.557, 336.084



87, 28.936, 332.467



47, 98.540, 305.162



45, 19.593, 332.657



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



62, 84.557, 336.084



60, 94.410, 337.353



59, 68.648, 7.714



49, 7.663, 331.686



43, 77.945, 339.196



11, 35.986, 337.523

Inverse Universe

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



62, 84.557, 336.084



60, 94.410, 337.353



89, 56.525, 167.653



49, 7.663, 331.686



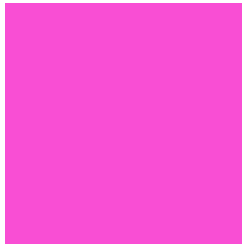
43, 77.945, 339.196



11, 35.986, 337.523

Previews

White Background



This preview shows how the CIELCh color 62, 84.560, 336.084 looks on a white background.

Color Contrast Check

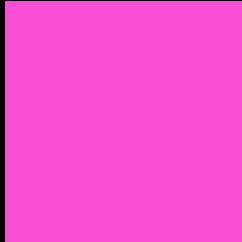
Large Text (above 18pt) WCAG AA × Fail

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 62, 84.560, 336.084 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

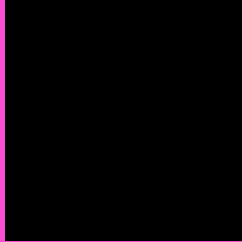
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 62, 84.560, 336.084

Background



This preview shows how black text looks on a background with the CIELCh color 62, 84.560, 336.084.

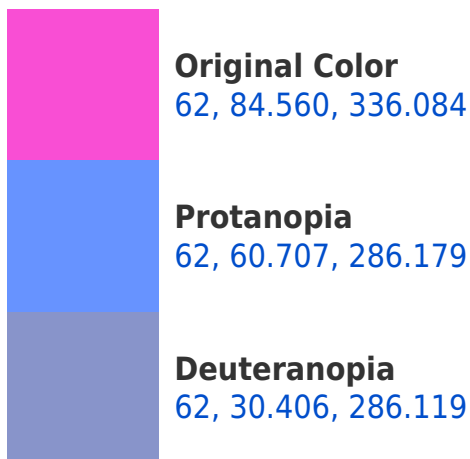


This preview shows how white text looks on a background with the CIELCh color 62, 84.560, 336.084.

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
62, 56.149, 22.702

Trichromacy



Original Color
62, 84.560, 336.084



Protanomaly
59, 66.798, 305.260



Deuteranomaly
60, 50.088, 315.888



Tritanomaly
61, 60.670, 0.403

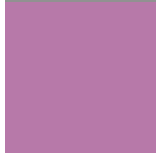
Monochromacy



Original Color
62, 84.560, 336.084



Achromatopsia
60, 0.008, 296.813



Achromatomaly
59, 35.360, 333.683

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 84.560, 336.084 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(249, 78, 212)` looks like.

```
.text, #text, p{  
    color:rgb(249, 78, 212)  
}
```

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(249, 78, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 78, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 84.560, 336.084 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(249, 78, 212) }
```

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

```
.border{ border-color:rgb(249, 78, 212) }
```

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

Here you see how a box with a 4 pixel rgb(249, 78, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 78, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 78, 212);  
box-shadow:4px 4px 4px 4px rgb(249, 78,  
212) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 84.560, 336.084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 78, 212) }
```

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

```
.background{ background-color: rgb(249, 78,  
212) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor