

Converting Colors

CIELCh(58, 89.274, 344.371)

Have a look what the booklet for
CIELCh(58, 89.274, 344.371)
contains.

CIELCh(58, 89.337, 344.233)	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(58, 89.337, 344.233)

Conversions

Conversions Part 1

Format	Color
Hex	FF24B8
RGB	255, 36, 184
RGB Percent	100%, 14%, 72%
CMY	0.0002, 0.8592, 0.2787
CMYK	0.00, 0.86, 0.28, 0.00
HSL	319°, 100%, 57%
HSV	319°, 86%, 100%
XYZ	50.4899, 25.9610, 47.6664
YIQ	118.3530, 83.0160, 92.4560

Conversions

Conversions Part 2

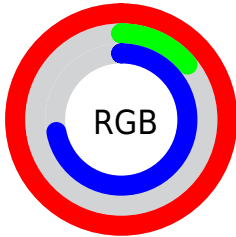
Format	Color
R _Y B	255, 36, 184
Decimal	16721080
CIE _{Lab}	58.00, 85.98, -24.28
CIE _{LCh}	58, 89.337, 344.233
Yxy	25.9610, 0.4068, 0.2092
Android (android.graphics.Color)	4294911160 (0xFFFF24B8)
YUV	118.3530, 32.3640, 119.8394
Hunter-Lab	50.9519, 87.7154, -19.8004

Details

The CIELCh color **58, 89.337, 344.233** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed rose. A complement of this color would be **88, 96.179, 144.318**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 79.866, 330.715**, and **43, 73.834, 346.555** is the 20% darker color. If you saturate the color by 10%, you get **57, 90.599, 346.272**, and if you desaturate by 10%, it is **60, 85.188, 342.571**.

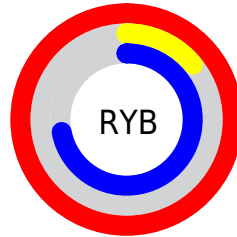
Distribution



Red (100%)

Green (14%)

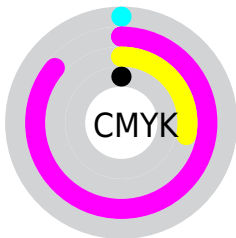
Blue (72%)



Red (100%)

Yellow (14%)

Blue (72%)

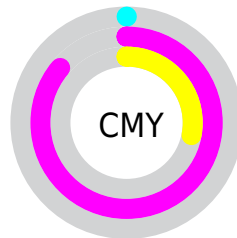


Cyan (0%)

Magenta (86%)

Yellow (28%)

Black (0%)



Cyan (0%)


Magenta (86%)


Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 89.337, 344.233 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 58, 89.337, 344.233 by changing the saturation by 10% instead.


 58, 89.337,
344.233


 58, 89.337,
344.233


 100, 89.337,
344.233


 48, 89.337,
344.233


 78, 89.337,
344.233

 38, 89.337,
344.233

 88, 89.337,
344.233

 28, 89.337,
344.233

 98, 89.337,
344.233

 18, 89.337,
344.233

 8, 89.337, 344.233

 0, 89.337, 344.233

■ 58, 89.337,
344.233

■ 58, 89.337,
344.233

■ 57, 90.599,
346.272

■ 60, 85.188,
342.571

■ 56, 90.581,
347.198

■ 64, 78.233,
341.192

■ 68, 68.934,
340.016

■ 72, 57.926,
338.983

■ 78, 45.828,
338.053

■ 84, 33.155,
337.200

■ 90, 20.287,
336.405

■ 96, 7.484, 335.636

100, 0.024,
228.854

Harmonies

Complementary

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



58, 89.337, 344.233



88, 96.179, 144.318

Rectangle

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



58, 89.337, 344.233



58, 89.337, 34.233



58, 89.337, 164.233



58, 89.337, 214.233

Sweetspot

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



58, 89.333, 344.234



84, 33.269, 337.206



40, 120.552, 308.612



42, 22.550, 337.495



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



58, 89.333, 344.234



56, 90.598, 347.198



55, 85.497, 24.462



50, 7.215, 335.915



42, 73.216, 346.762



11, 34.519, 343.853

Inverse Universe

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



58, 89.333, 344.234



56, 90.598, 347.198



90, 57.932, 174.652



50, 7.215, 335.915



42, 73.216, 346.762



11, 34.519, 343.853

Previews

White Background



This preview shows how the CIELCh color 58, 89.337, 344.233 looks on a white background.

Color Contrast Check

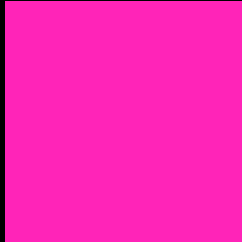
Large Text (above 18pt) WCAG AA ✓ Pass

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 58, 89.337, 344.233 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 × Fail

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

CIELCh 58, 89.337, 344.233

Background



This preview shows how black text looks on a background with the CIELCh color 58, 89.337, 344.233.

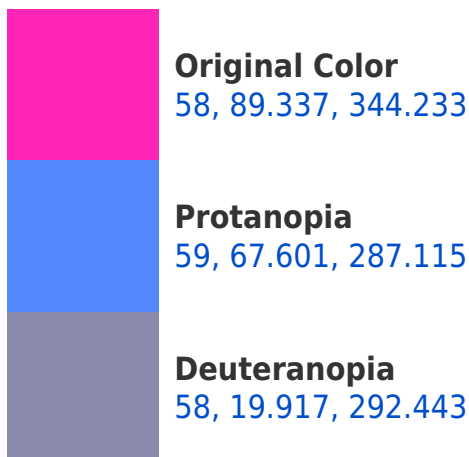


This preview shows how white text looks on a background with the CIELCh color 58, 89.337, 344.233.

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
58, 73.147, 28.600

Trichromacy



Original Color
58, 89.337, 344.233



Protanomaly
53, 74.863, 307.348



Deuteranomaly
54, 50.986, 328.236



Tritanomaly
57, 73.583, 9.946

Monochromacy



Original Color
58, 89.337, 344.233



Achromatopsia
50, 0.007, 296.813



Achromatomaly
49, 42.746, 339.069

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 89.337, 344.233 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, 36, 184)` looks like.

```
.text, #text, p{  
    color:rgb(255, 36, 184)  
}
```

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, 36, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 36, 184) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 89.337, 344.233 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, 36, 184) }
```

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

```
.border{ border-color:rgb(255, 36, 184) }
```

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

Here you see how a box with a 4 pixel rgb(255, 36, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 36, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 36, 184);  
box-shadow:4px 4px 4px 4px rgb(255, 36,  
184) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 89.337, 344.233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 36, 184) }
```

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

```
.background{ background-color: rgb(255, 36,  
184) }
```

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