

Converting Colors

CIELCh(58, 85.435, 345.079)

Have a look what the booklet for
CIELCh(58, 85.435, 345.079)
contains.

CIELCh(58, 85.505, 344.930)	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, 85.505, 344.930)

Conversions

Conversions Part 1

Format	Color
Hex	FB30B4
RGB	251, 48, 180
RGB Percent	98%, 19%, 71%
CMY	0.0142, 0.8136, 0.2929
CMYK	0.00, 0.81, 0.28, 0.01
HSL	321°, 97%, 59%
HSV	321°, 81%, 99%
XYZ	49.2246, 25.9610, 45.7675
YIQ	123.7450, 78.6160, 84.0880

Conversions

Conversions Part 2

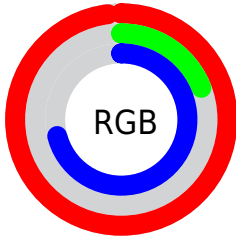
Format	Color
R _Y B	251, 48, 180
Decimal	16462004
CIE Lab	58.00, 82.56, -22.23
CIE LCh	58, 85.505, 344.930
Yxy	25.9610, 0.4070, 0.2146
Android (android.graphics.Color)	4294652084 (0xFFFB30B4)
YUV	123.7450, 27.7337, 111.6026
Hunter-Lab	50.9519, 83.2827, -17.5908

Details

The CIELCh color **58, 85.505, 344.930** 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, 89.650, 146.191**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 75.845, 331.784**, and **42, 72.416, 347.045** is the 20% darker color. If you saturate the color by 10%, you get **56, 88.096, 346.971**, and if you desaturate by 10%, it is **61, 80.067, 343.272**.

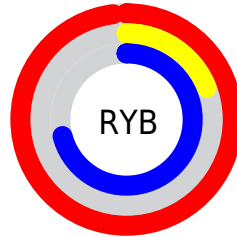
Distribution



Red (98%)

Green (19%)

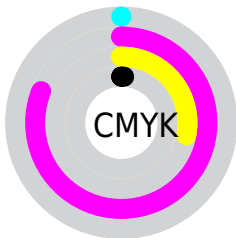
Blue (71%)



Red (98%)

Yellow (19%)

Blue (71%)

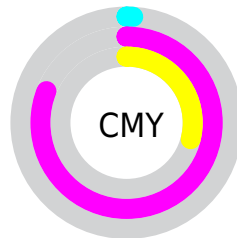


Cyan (0%)

Magenta (81%)

Yellow (28%)

Black (1%)



Cyan (1%)


Magenta (81%)


Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 85.505, 344.930 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, 85.505, 344.930 by changing the saturation by 10% instead.


 58, 85.505,
344.930


 58, 85.505,
344.930


 100, 85.505,
344.930


 48, 85.505,
344.930


 78, 85.505,
344.930

 38, 85.505,
344.930

 88, 85.505,
344.930

 28, 85.505,
344.930

 98, 85.505,
344.930

 18, 85.505,
344.930

 8, 85.505, 344.930

 0, 85.505, 344.930

■ 58, 85.505,
344.930

■ 58, 85.505,
344.930

■ 56, 88.096,
346.971

■ 61, 80.067,
343.272

■ 55, 88.379,
349.154

■ 64, 72.079,
341.894

■ 69, 62.105,
340.715

■ 74, 50.778,
339.679

■ 80, 38.661,
338.747

■ 86, 26.194,
337.893

■ 92, 13.686,
337.094

■ 98, 1.337, 336.082

100, 1.262,
199.850

Harmonies

Complementary

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



58, 85.505, 344.930



88, 89.650, 146.191

Rectangle

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



58, 85.505, 344.930



58, 85.505, 34.930



58, 85.505, 164.930



58, 85.505, 214.930

Sweetspot

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



58, 85.501, 344.931



85, 30.190, 338.136



42, 114.070, 308.800



43, 20.751, 338.440



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, 85.501, 344.931



56, 89.333, 348.415



55, 81.442, 23.402



49, 6.974, 336.969



42, 71.486, 348.661



10, 33.197, 345.263

Inverse Universe

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



58, 85.501, 344.931



56, 89.333, 348.415



89, 54.857, 177.081



49, 6.974, 336.969



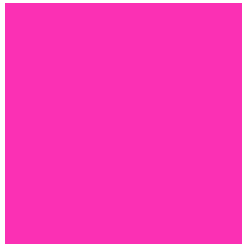
42, 71.486, 348.661



10, 33.197, 345.263

Previews

White Background



This preview shows how the CIELCh color 58, 85.505, 344.930 looks on a white background.

Color Contrast Check

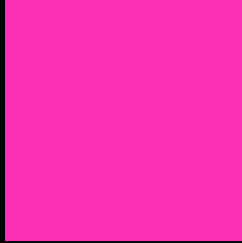
Large Text (above 18pt) WCAG AA ✓ Pass

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, 85.505, 344.930 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

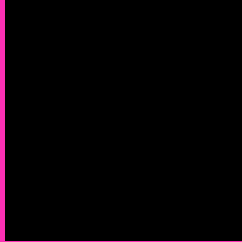
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 85.505, 344.930

Background



This preview shows how black text looks on a background with the CIELCh color 58, 85.505, 344.930.



This preview shows how white text looks on a background with the CIELCh color 58, 85.505, 344.930.

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



Original Color

58, 85.260, 344.967

Protanopia

58, 62.018, 286.764

Deuteranopia

58, 18.225, 293.372



Tritanopia
58, 70.357, 27.576

Trichromacy



Original Color
58, 85.260, 344.967



Protanomaly
54, 68.274, 308.324



Deuteranomaly
55, 47.074, 329.037



Tritanomaly
57, 70.902, 9.971

Monochromacy



Original Color
58, 85.260, 344.967



Achromatopsia
52, 0.007, 296.813



Achromatomaly
51, 39.014, 339.950

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 85.505, 344.930 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(251, 48, 180)` looks like.

```
.text, #text, p{  
    color:rgb(251, 48, 180)  
}
```

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(251, 48, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 48, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 85.505, 344.930 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(251, 48, 180) }
```

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

```
.border{ border-color:rgb(251, 48, 180) }
```

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

Here you see how a box with a 4 pixel rgb(251, 48, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 48, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 48, 180);  
box-shadow:4px 4px 4px 4px rgb(251, 48,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 85.505, 344.930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 48, 180) }
```

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

```
.background{ background-color: rgb(251, 48,  
180) }
```

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