

Converting Colors

CIELCh(54, 84.026, 359.293)

Have a look what the booklet for
CIELCh(54, 84.026, 359.293)
contains.

CIELCh(54, 83.946, 359.430)	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(54, 83.946, 359.430)

Conversions

Conversions Part 1

Format	Color
Hex	FA0086
RGB	250, 0, 134
RGB Percent	98%, 0%, 53%
CMY	0.0205, 1.0000, 0.4753
CMYK	0.00, 1.00, 0.46, 0.02
HSL	328°, 100%, 49%
HSV	328°, 100%, 98%
XYZ	43.6177, 21.9746, 24.4267
YIQ	90.0260, 105.9860, 94.6740

Conversions

Conversions Part 2

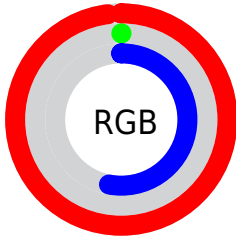
Format	Color
RYB	250, 0, 134
Decimal	16384134
CIELab	54.00, 83.94, -0.84
CIELCh	54, 83.946, 359.430
Yxy	21.9746, 0.4845, 0.2441
Android (android.graphics.Color)	4294574214 (0xFFFA0086)
YUV	90.0260, 21.6792, 140.2972
Hunter-Lab	46.8770, 84.0541, 1.9191

Details

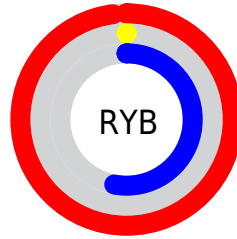
The CIELCh color **54, 83.946, 359.430** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark saturated rose. A complement of this color would be **87, 91.753, 146.960**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 69.428, 346.939**, and **40, 66.869, 6.413** is the 20% darker color. If you saturate the color by 10%, you get **54, 83.880, 359.452**, and if you desaturate by 10%, it is **55, 82.944, 355.757**.

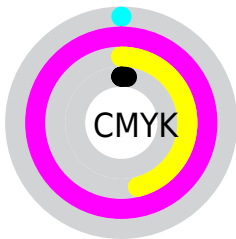
Distribution



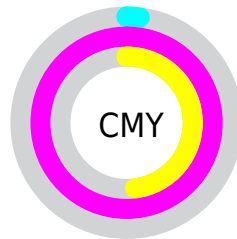
- Red (98%)
- Green (0%)
- Blue (53%)



- Red (98%)
- Yellow (0%)
- Blue (53%)



- Cyan (0%)
- Magenta (100%)
- Yellow (46%)
- Black (2%)





- Cyan (2%)
- Magenta (100%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 54, 83.946, 359.430 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 54, 83.946, 359.430 by changing the saturation by 10% instead.


 54, 83.946,
359.430

 54, 83.946,
359.430


 100, 83.946,
359.430


 44, 83.946,
359.430


 74, 83.946,
359.430

 34, 83.946,
359.430

 84, 83.946,
359.430

 24, 83.946,
359.430

 94, 83.946,
359.430

 14, 83.946,
359.430

 4, 83.946, 359.430

 0, 83.946, 359.430

■ 54, 83.946,
359.430

■ 54, 83.946,
359.430

■ 54, 83.880,
359.452

■ 55, 82.944,
355.757

■ 57, 79.851,
352.760

■ 60, 74.191,
350.389

■ 64, 66.252,
348.489

■ 69, 56.592,
346.931

■ 74, 45.812,
345.616

■ 79, 34.432,
344.478

■ 86, 22.845,

343.469

■ 92, 11.315,
342.550

Harmonies

Complementary

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



54, 83.946, 359.430



87, 91.753, 146.960

Rectangle

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



54, 83.946, 359.430



54, 83.946, 49.430



54, 83.946, 179.430



54, 83.946, 229.430

Sweetspot

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



54, 83.880, 359.452



81, 35.017, 344.481



38, 124.424, 310.614



41, 23.892, 344.944



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



54, 83.880, 359.452



55, 85.200, 359.500



52, 101.020, 38.605



49, 6.431, 342.505



41, 68.088, 358.709



10, 31.443, 353.447

Inverse Universe

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



54, 83.880, 359.452



55, 85.200, 359.500



89, 51.479, 188.874



49, 6.431, 342.505



41, 68.088, 358.709



10, 31.443, 353.447

Previews

White Background



This preview shows how the CIELCh color 54, 83.946, 359.430 looks on a white background.

Color Contrast Check

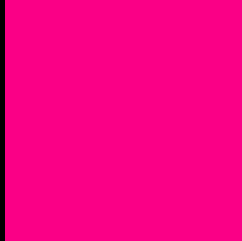
Large Text (above 18pt) WCAG AA ✓ Pass

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 54, 83.946, 359.430 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 54, 83.946, 359.430

Background



This preview shows how black text looks on a background with the CIELCh color 54, 83.946, 359.430.



This preview shows how white text looks on a background with the CIELCh color 54, 83.946, 359.430.

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

54, 83.946, 359.430

Protanopia

55, 37.001, 285.050

Deuteranopia

55, 8.413, 31.953



Tritanopia
54, 84.801, 33.347

Trichromacy



Original Color
54, 83.946, 359.430



Protanomaly
48, 57.138, 323.328



Deuteranomaly
49, 47.387, 353.126



Tritanomaly
54, 81.814, 20.789

Monochromacy



Original Color
54, 83.946, 359.430



Achromatopsia
38, 0.005, 296.813



Achromatomaly
38, 44.509, 348.204

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 83.946, 359.430 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(250, 0, 134)` looks like.

```
.text, #text, p{  
  color:rgb(250, 0, 134)  
}
```

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(250, 0, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 83.946, 359.430 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(250, 0, 134) }
```

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

```
.border{ border-color:rgb(250, 0, 134) }
```

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

Here you see how a box with a 4 pixel rgb(250, 0, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 134);  
box-shadow:4px 4px 4px 4px rgb(250, 0,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 83.946, 359.430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 0, 134) }
```

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

```
.background{ background-color: rgb(250, 0,  
134) }
```

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