

Converting Colors

CIE LCh(53, 81.015, 1.128)

Have a look what the booklet for
CIELCh(53, 81.015, 1.128) contains.

CIELCh(53, 81.059, 1.247)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(53, 81.059, 1.247)

Conversions

Conversions Part 1

Format	Color
Hex	F40E7F
RGB	244, 14, 127
RGB Percent	96%, 5%, 50%
CMY	0.0440, 0.9436, 0.5026
CMYK	0.00, 0.94, 0.48, 0.04
HSL	331°, 91%, 51%
HSV	331°, 94%, 96%
XYZ	41.2160, 21.0462, 21.9114
YIQ	95.6520, 100.8070, 83.9030

Conversions

Conversions Part 2

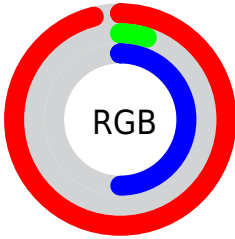
Format	Color
R_{YB}	244, 14, 127
Decimal	15994495
CIE _{Lab}	53.00, 81.04, 1.76
CIE _{LCh}	53, 81.059, 1.247
Yxy	21.0462, 0.4897, 0.2500
Android (android.graphics.Color)	4294184575 (0xFFFF40E7F)
YUV	95.6520, 15.4546, 130.1012
Hunter-Lab	45.8761, 80.0849, 3.7952

Details

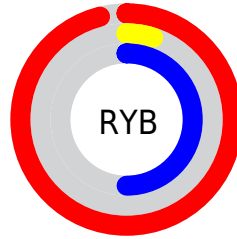
The CIELCh color **53, 81.059, 1.247** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark saturated rose. A complement of this color would be **85, 83.006, 150.559**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 67.203, 350.310**, and **39, 65.312, 8.581** is the 20% darker color. If you saturate the color by 10%, you get **52, 81.714, 3.783**, and if you desaturate by 10%, it is **55, 78.692, 357.513**.

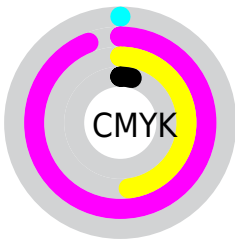
Distribution



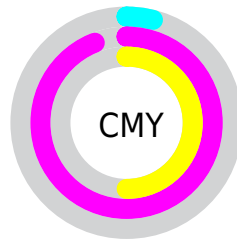
- Red (96%)
- Green (5%)
- Blue (50%)



- Red (96%)
- Yellow (5%)
- Blue (50%)



- Cyan (0%)
- Magenta (94%)
- Yellow (48%)
- Black (4%)




- Cyan (4%)
- Magenta (94%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 81.059, 1.247 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 53, 81.059, 1.247 by changing the saturation by 10% instead.

 53, 81.059, 1.247  53, 81.059, 1.247

 100, 81.059, 1.247  43, 81.059, 1.247

 73, 81.059, 1.247  33, 81.059, 1.247



 83, 81.059, 1.247  23, 81.059, 1.247

 93, 81.059, 1.247  13, 81.059, 1.247

 3, 81.059, 1.247

 0, 81.059, 1.247

 53, 81.059, 1.247  53, 81.059, 1.247

 52, 81.714, 3.783  55, 78.692,
357.513

57, 73.979,
354.563

61, 66.995,
352.232

65, 58.187,
350.360

70, 48.131,
348.818

75, 37.363,
347.515

81, 26.304,
346.385

87, 15.248,
345.380

94, 4.382, 344.415

Harmonies

Complementary

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



53, 81.059, 1.247



85, 83.006, 150.559

Rectangle

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



53, 81.059, 1.247



53, 81.059, 51.247



53, 81.059, 181.247



53, 81.059, 231.247

Sweetspot

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



53, 81.055, 1.248



82, 31.766, 346.815



40, 118.310, 312.102



41, 21.961, 347.311



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



53, 81.055, 1.248



55, 84.535, 3.903



51, 98.039, 38.762



48, 6.132, 344.943



40, 66.804, 2.960



9, 30.168, 356.668

Inverse Universe

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



53, 81.055, 1.248



55, 84.535, 3.903



88, 48.118, 196.405



48, 6.132, 344.943



40, 66.804, 2.960



9, 30.168, 356.668

Previews

White Background



This preview shows how the CIELCh color 53, 81.059, 1.247 looks on a white background.

Color Contrast Check

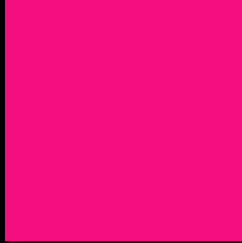
Large Text (above 18pt) WCAG AA ✓ Pass

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 53, 81.059, 1.247 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 53, 81.059, 1.247

Background



This preview shows how black text looks on a background with the CIELCh color 53, 81.059, 1.247.



This preview shows how white text looks on a background with the CIELCh color 53, 81.059, 1.247.

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

53, 81.146, 1.215

Protanopia

54, 32.518, 285.115

Deuteranopia

53, 9.444, 41.575



Tritanopia
53, 83.251, 33.569

Trichromacy



Original Color
53, 81.146, 1.215



Protanomaly
48, 51.090, 325.724



Deuteranomaly
49, 43.031, 357.080



Tritanomaly
53, 79.852, 22.027

Monochromacy



Original Color
53, 81.146, 1.215



Achromatopsia
41, 0.006, 296.813



Achromatomaly
40, 40.520, 350.504

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 81.059, 1.247 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(244, 14, 127)` looks like.

```
.text, #text, p{  
    color:rgb(244, 14, 127)  
}
```

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(244, 14, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 14, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 81.059, 1.247 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(244, 14, 127) }
```

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

```
.border{ border-color:rgb(244, 14, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 14, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 14, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 14, 127);  
box-shadow:4px 4px 4px 4px rgb(244, 14,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 81.059, 1.247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 14, 127) }
```

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

```
.background{ background-color: rgb(244, 14,  
127) }
```

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