

Converting Colors

CIELCh(52, 81.034, 0.915)

Have a look what the booklet for
CIELCh(52, 81.034, 0.915) contains.

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Color

CIELCh(52, 80.921, 0.854)

Conversions

Conversions Part 1

Format	Color
Hex	F0047D
RGB	240, 4, 125
RGB Percent	94%, 2%, 49%
CMY	0.0578, 0.9840, 0.5090
CMYK	0.00, 0.98, 0.48, 0.06
HSL	329°, 97%, 48%
HSV	329°, 98%, 94%
XYZ	39.7830, 20.1443, 21.2638
YIQ	88.3580, 101.8150, 87.6630

Conversions

Conversions Part 2

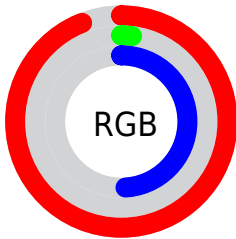
Format	Color
R_{YB}	240, 4, 125
Decimal	15729789
CIE _{Lab}	52.00, 80.91, 1.21
CIE _{LCh}	52, 80.921, 0.854
Yxy	20.1443, 0.4900, 0.2481
Android (android.graphics.Color)	4293919869 (0xFFFF0047D)
YUV	88.3580, 18.0645, 132.9900
Hunter-Lab	44.8824, 79.6748, 3.3281

Details

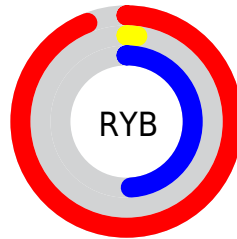
The CIELCh color **52, 80.921, 0.854** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark saturated rose. A complement of this color would be **84, 86.135, 148.470**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 68.128, 350.752**, and **38, 64.219, 8.095** is the 20% darker color. If you saturate the color by 10%, you get **52, 81.078, 1.542**, and if you desaturate by 10%, it is **53, 79.564, 357.033**.

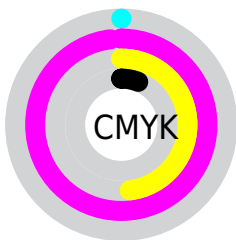
Distribution



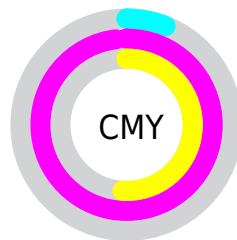
- Red (94%)
- Green (2%)
- Blue (49%)



- Red (94%)
- Yellow (2%)
- Blue (49%)



- Cyan (0%)
- Magenta (98%)
- Yellow (48%)
- Black (6%)



- Cyan (6%)
- Magenta (98%)
- Yellow (51%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 80.921, 0.854 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 52, 80.921, 0.854 by changing the saturation by 10% instead.

 52, 80.921, 0.854  52, 80.921, 0.854

 100, 80.921, 0.854  42, 80.921, 0.854

 72, 80.921, 0.854  32, 80.921, 0.854



 82, 80.921, 0.854  22, 80.921, 0.854

 92, 80.921, 0.854  12, 80.921, 0.854

 2, 80.921, 0.854

 0, 80.921, 0.854

 52, 80.921, 0.854  52, 80.921, 0.854

 52, 81.078, 1.542  53, 79.564,
357.033

■ 55, 76.006,
353.973

■ 58, 70.047,
351.557

■ 62, 62.022,
349.623

■ 67, 52.482,
348.038

■ 72, 41.992,
346.704

■ 78, 31.028,
345.551

■ 84, 19.936,
344.532

■ 90, 8.951, 343.599

Harmonies

Complementary

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



52, 80.921, 0.854



84, 86.135, 148.470

Rectangle

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



52, 80.921, 0.854



52, 80.921, 50.854



52, 80.921, 180.854



52, 80.921, 230.854

Sweetspot

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



52, 80.917, 0.855



82, 33.368, 345.637



38, 119.196, 311.443



41, 22.913, 346.116



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



52, 80.917, 0.855



55, 84.793, 1.692



50, 98.441, 39.158



47, 6.119, 343.706



39, 66.373, 0.759



8, 29.569, 354.577

Inverse Universe

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



52, 80.917, 0.855



55, 84.793, 1.692



86, 48.419, 193.863



47, 6.119, 343.706



39, 66.373, 0.759



8, 29.569, 354.577

Previews

White Background



This preview shows how the CIELCh color 52, 80.921, 0.854 looks on a white background.

Color Contrast Check

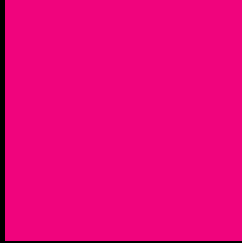
Large Text (above 18pt) WCAG AA ✓ Pass

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 52, 80.921, 0.854 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 52, 80.921, 0.854

Background



This preview shows how black text looks on a background with the CIELCh color 52, 80.921, 0.854.



This preview shows how white text looks on a background with the CIELCh color 52, 80.921, 0.854.

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

52, 80.850, 0.880

Protanopia

53, 33.204, 284.942

Deuteranopia

52, 9.078, 42.523



Tritanopia
52, 82.996, 33.756

Trichromacy



Original Color
52, 80.850, 0.880



Protanomaly
46, 53.200, 324.773



Deuteranomaly
47, 44.814, 355.566



Tritanomaly
52, 79.900, 21.915

Monochromacy



Original Color
52, 80.850, 0.880



Achromatopsia
38, 0.005, 296.813



Achromatomaly
38, 41.932, 349.581

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 80.921, 0.854 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(240, 4, 125)` looks like.

```
.text, #text, p{  
    color:rgb(240, 4, 125)  
}
```

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(240, 4, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 4, 125) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 80.921, 0.854 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(240, 4, 125) }
```

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

```
.border{ border-color:rgb(240, 4, 125) }
```

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

Here you see how a box with a 4 pixel rgb(240, 4, 125) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 4, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 4, 125);  
box-shadow:4px 4px 4px 4px rgb(240, 4,  
125) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 80.921, 0.854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 4, 125) }
```

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

```
.background{ background-color: rgb(240, 4,  
125) }
```

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](#).

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