

Converting Colors

CIELCh(52, 80.122, 2.687)

Have a look what the booklet for
CIELCh(52, 80.122, 2.687) contains.

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Color

CIELCh(52, 80.126, 2.684)

Conversions

Conversions Part 1

Format	Color
Hex	F00B79
RGB	240, 11, 121
RGB Percent	94%, 4%, 47%
CMY	0.0588, 0.9567, 0.5255
CMYK	0.00, 0.95, 0.50, 0.06
HSL	331°, 91%, 49%
HSV	331°, 95%, 94%
XYZ	39.5047, 20.1443, 19.8946
YIQ	92.0110, 101.1740, 82.7580

Conversions

Conversions Part 2

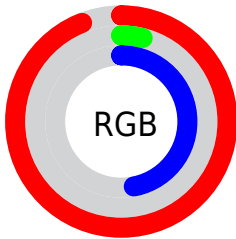
Format	Color
R_{YB}	240, 11, 121
Decimal	15731577
CIE _{Lab}	52.00, 80.04, 3.75
CIE _{LCh}	52, 80.126, 2.684
Yxy	20.1443, 0.4966, 0.2532
Android (android.graphics.Color)	4293921657 (0xFFFF00B79)
YUV	92.0110, 14.2916, 129.7864
Hunter-Lab	44.8824, 78.5684, 5.1368

Details

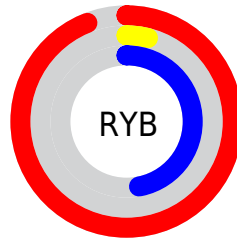
The CIELCh color **52, 80.126, 2.684** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark saturated rose. A complement of this color would be **84, 81.783, 150.796**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 66.927, 352.592**, and **38, 64.349, 10.286** is the 20% darker color. If you saturate the color by 10%, you get **52, 80.687, 4.713**, and if you desaturate by 10%, it is **53, 77.964, 358.751**.

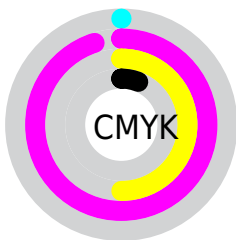
Distribution



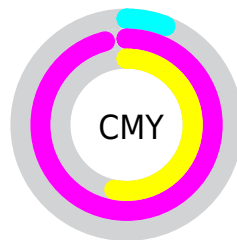
- Red (94%)
- Green (4%)
- Blue (47%)



- Red (94%)
- Yellow (4%)
- Blue (47%)



- Cyan (0%)
- Magenta (95%)
- Yellow (50%)
- Black (6%)



- Cyan (6%)
- Magenta (96%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 80.126, 2.684 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, 80.126, 2.684 by changing the saturation by 10% instead.

 52, 80.126, 2.684

 52, 80.126, 2.684

 100, 80.126, 2.684

 42, 80.126, 2.684

 72, 80.126, 2.684

 32, 80.126, 2.684

 82, 80.126, 2.684

 22, 80.126, 2.684

 92, 80.126, 2.684

 12, 80.126, 2.684


 2, 80.126, 2.684

 0, 80.126, 2.684

 52, 80.126, 2.684

 52, 80.126, 2.684

 52, 80.687, 4.713

 53, 77.964,
358.751

■ 56, 73.550,
355.637

■ 59, 66.891,
353.181

■ 63, 58.391,
351.218

■ 68, 48.608,
349.610

■ 74, 38.076,
348.258

■ 79, 27.225,
347.093

■ 85, 16.356,
346.062

■ 91, 5.663, 345.099

Harmonies

Complementary

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



52, 80.126, 2.684



84, 81.783, 150.796

Rectangle

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



52, 80.126, 2.684



52, 80.126, 52.684



52, 80.126, 182.684



52, 80.126, 232.684

Sweetspot

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



52, 80.122, 2.685



81, 32.722, 347.505



40, 117.070, 312.414



41, 22.481, 348.009



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, 80.122, 2.685



55, 84.469, 4.880



51, 97.316, 39.178



47, 5.987, 345.494



39, 66.053, 3.866



8, 29.274, 357.097

Inverse Universe

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



52, 80.122, 2.685



55, 84.469, 4.880



85, 46.540, 198.958



47, 5.987, 345.494



39, 66.053, 3.866



8, 29.274, 357.097

Previews

White Background



This preview shows how the CIELCh color 52, 80.126, 2.684 looks on a white background.

Color Contrast Check

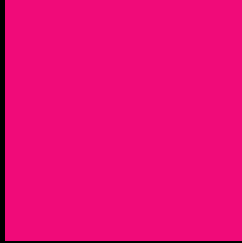
Large Text (above 18pt) WCAG AA ✓ Pass

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, 80.126, 2.684 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, 80.126, 2.684

Background



This preview shows how black text looks on a background with the CIELCh color 52, 80.126, 2.684.



This preview shows how white text looks on a background with the CIELCh color 52, 80.126, 2.684.

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, 80.126, 2.684

Protanopia

52, 29.715, 285.638

Deuteranopia

52, 10.651, 52.806



Tritanopia
52, 83.430, 33.910

Trichromacy



Original Color
52, 80.126, 2.684



Protanomaly
46, 49.542, 327.671



Deuteranomaly
48, 43.038, 359.799



Tritanomaly
52, 79.972, 22.913

Monochromacy



Original Color
52, 80.126, 2.684



Achromatopsia
39, 0.006, 296.813



Achromatomaly
39, 40.058, 351.020

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 80.126, 2.684 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, 11, 121)` looks like.

```
.text, #text, p{  
    color:rgb(240, 11, 121)  
}
```

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, 11, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 11, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 80.126, 2.684 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, 11, 121) }
```

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

```
.border{ border-color:rgb(240, 11, 121) }
```

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

Here you see how a box with a 4 pixel rgb(240, 11, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 11, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 11, 121);  
box-shadow:4px 4px 4px 4px rgb(240, 11,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 80.126, 2.684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 11, 121) }
```

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

```
.background{ background-color: rgb(240, 11,  
121) }
```

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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