

Converting Colors

CIELCh(52, 81.457, 2.454)

Have a look what the booklet for
CIELCh(52, 81.457, 2.454) contains.

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Color

CIELCh(52, 81.403, 2.407)

Conversions

Conversions Part 1

Format	Color
Hex	F2007A
RGB	242, 0, 122
RGB Percent	95%, 0%, 48%
CMY	0.0529, 1.0000, 0.5231
CMYK	0.00, 1.00, 0.50, 0.05
HSL	330°, 100%, 47%
HSV	330°, 100%, 95%
XYZ	39.9169, 20.1443, 20.0704
YIQ	86.2660, 105.0700, 89.2460

Conversions

Conversions Part 2

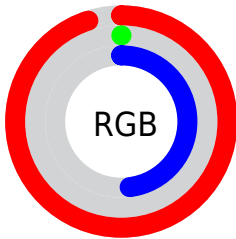
Format	Color
R_{YB}	242, 0, 122
Decimal	15859834
CIE _{Lab}	52.00, 81.33, 3.42
CIE _{LCh}	52, 81.403, 2.407
Yxy	20.1443, 0.4981, 0.2514
Android (android.graphics.Color)	4294049914 (0xFFFF2007A)
YUV	86.2660, 17.6169, 136.5787
Hunter-Lab	44.8824, 80.2074, 4.9046

Details

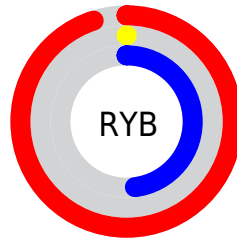
The CIELCh color **52, 81.403, 2.407** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark saturated rose. A complement of this color would be **84, 86.515, 148.548**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 67.547, 352.019**, and **38, 64.883, 10.238** is the 20% darker color. If you saturate the color by 10%, you get **52, 81.271, 2.458**, and if you desaturate by 10%, it is **53, 80.039, 358.437**.

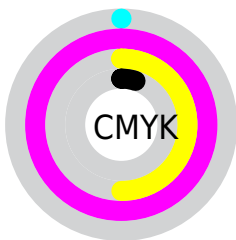
Distribution



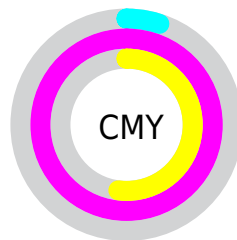
- Red (95%)
- Green (0%)
- Blue (48%)



- Red (95%)
- Yellow (0%)
- Blue (48%)



- Cyan (0%)
- Magenta (100%)
- Yellow (50%)
- Black (5%)



- Cyan (5%)
- Magenta (100%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 81.403, 2.407 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, 81.403, 2.407 by changing the saturation by 10% instead.

 52, 81.403, 2.407

 52, 81.403, 2.407

 100, 81.403, 2.407

 42, 81.403, 2.407

 72, 81.403, 2.407

 32, 81.403, 2.407

 82, 81.403, 2.407

 22, 81.403, 2.407

 92, 81.403, 2.407

 12, 81.403, 2.407


 2, 81.403, 2.407

 0, 81.403, 2.407

 52, 81.403, 2.407

 52, 81.403, 2.407

 52, 81.271, 2.458

 53, 80.039,
358.437

■ 55, 76.832,
355.166

■ 58, 71.224,
352.586

■ 62, 63.484,
350.532

■ 66, 54.139,
348.861

■ 71, 43.765,
347.463

■ 77, 32.853,
346.265

■ 83, 21.773,
345.212

■ 89, 10.774,
344.259

Harmonies

Complementary

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



52, 81.403, 2.407



84, 86.515, 148.548

Rectangle

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



52, 81.403, 2.407



52, 81.403, 52.407



52, 81.403, 182.407



52, 81.403, 232.407

Sweetspot

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



52, 81.271, 2.458



81, 34.334, 346.275



38, 120.405, 311.336



40, 23.438, 346.762



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, 81.271, 2.458



55, 84.669, 2.598



50, 99.681, 39.508



47, 6.081, 344.210



39, 66.258, 1.641



8, 29.478, 355.289

Inverse Universe

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



52, 81.271, 2.458



55, 84.669, 2.598



87, 48.710, 193.818



47, 6.081, 344.210



39, 66.258, 1.641



8, 29.478, 355.289

Previews

White Background



This preview shows how the CIELCh color 52, 81.403, 2.407 looks on a white background.

Color Contrast Check

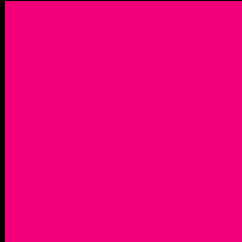
Large Text (above 18pt) WCAG AA ✓ Pass

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, 81.403, 2.407 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, 81.403, 2.407

Background



This preview shows how black text looks on a background with the CIELCh color 52, 81.403, 2.407.



This preview shows how white text looks on a background with the CIELCh color 52, 81.403, 2.407.

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, 81.403, 2.407

Protanopia

53, 30.276, 285.270

Deuteranopia

53, 10.698, 49.117



Tritanopia
52, 84.234, 34.101

Trichromacy



Original Color
52, 81.403, 2.407



Protanomaly
46, 51.933, 327.736



Deuteranomaly
47, 45.350, 358.737



Tritanomaly
52, 80.863, 22.628

Monochromacy



Original Color
52, 81.403, 2.407



Achromatopsia
37, 0.005, 296.813



Achromatomaly
37, 42.516, 350.635

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 81.403, 2.407 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(242, 0, 122)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 122)  
}
```

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(242, 0, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 81.403, 2.407 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(242, 0, 122) }
```

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

```
.border{ border-color:rgb(242, 0, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 0, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 122);  
box-shadow:4px 4px 4px 4px rgb(242, 0,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 81.403, 2.407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 0, 122) }
```

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

```
.background{ background-color: rgb(242, 0,  
122) }
```

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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