

Converting Colors

CIELCh(52, 81.899, 8.415)

Have a look what the booklet for
CIELCh(52, 81.899, 8.415) contains.

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Color

CIELCh(52, 81.700, 8.470)

Conversions

Conversions Part 1

Format	Color
Hex	F3006C
RGB	243, 0, 108
RGB Percent	95%, 0%, 42%
CMY	0.0456, 1.0000, 0.5783
CMYK	0.00, 1.00, 0.56, 0.05
HSL	333°, 100%, 48%
HSV	333°, 100%, 95%
XYZ	39.7501, 20.1443, 15.8494
YIQ	84.9690, 110.1600, 85.1040

Conversions

Conversions Part 2

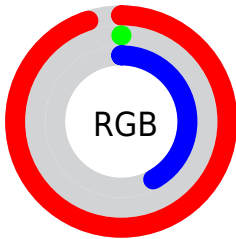
Format	Color
R_{YB}	243, 0, 108
Decimal	15925356
CIE _{Lab}	52.00, 80.81, 12.03
CIE _{LCh}	52, 81.700, 8.470
Yxy	20.1443, 0.5248, 0.2660
Android (android.graphics.Color)	4294115436 (0xFFFF3006C)
YUV	84.9690, 11.3543, 138.5932
Hunter-Lab	44.8824, 79.5440, 10.4806

Details

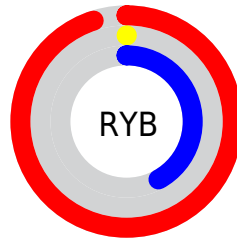
The CIELCh color **52, 81.700, 8.470** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **85, 81.445, 151.833**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 65.668, 358.542**, and **38, 66.048, 17.204** is the 20% darker color. If you saturate the color by 10%, you get **52, 81.547, 8.543**, and if you desaturate by 10%, it is **53, 79.613, 3.893**.

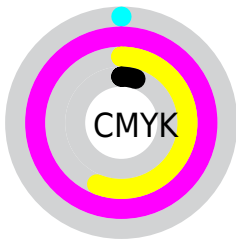
Distribution



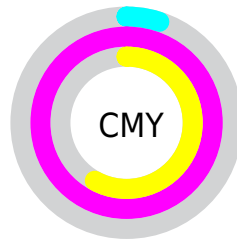
- Red (95%)
- Green (0%)
- Blue (42%)



- Red (95%)
- Yellow (0%)
- Blue (42%)



- Cyan (0%)
- Magenta (100%)
- Yellow (56%)
- Black (5%)



- Cyan (5%)
- Magenta (100%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 81.700, 8.470 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, 81.700, 8.470 by changing the saturation by 10% instead.

 52, 81.700, 8.470  52, 81.700, 8.470

 100, 81.700, 8.470  42, 81.700, 8.470

 72, 81.700, 8.470  32, 81.700, 8.470

 82, 81.700, 8.470  22, 81.700, 8.470

 92, 81.700, 8.470  12, 81.700, 8.470

 2, 81.700, 8.470

 0, 81.700, 8.470

 52, 81.700, 8.470  52, 81.700, 8.470

 52, 81.547, 8.543  53, 79.613, 3.893

 55, 75.942, 0.079

■ 58, 70.066,
357.076

■ 62, 62.211,
354.706

■ 67, 52.877,
352.803

■ 72, 42.616,
351.238

■ 77, 31.905,
349.917

■ 83, 21.093,
348.774

■ 90, 10.414,
347.753

Harmonies

Complementary

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



52, 81.700, 8.470



85, 81.445, 151.833

Rectangle

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



52, 81.700, 8.470



52, 81.700, 58.470



52, 81.700, 188.470



52, 81.700, 238.470

Sweetspot

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



52, 81.547, 8.543



81, 33.135, 349.926



40, 119.363, 312.901



40, 22.645, 350.460



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, 81.547, 8.543



54, 84.487, 8.680



51, 100.330, 40.376



48, 5.942, 347.703



40, 66.655, 7.633



9, 29.828, 0.549

Inverse Universe

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



52, 81.547, 8.543



54, 84.487, 8.680



84, 45.217, 204.838



48, 5.942, 347.703



40, 66.655, 7.633



9, 29.828, 0.549

Previews

White Background



This preview shows how the CIELCh color 52, 81.700, 8.470 looks on a white background.

Color Contrast Check

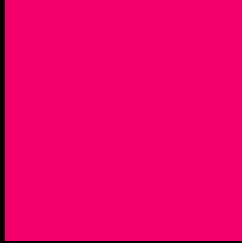
Large Text (above 18pt) WCAG AA ✓ Pass

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, 81.700, 8.470 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, 81.700, 8.470

Background



This preview shows how black text looks on a background with the CIELCh color 52, 81.700, 8.470.



This preview shows how white text looks on a background with the CIELCh color 52, 81.700, 8.470.

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, 81.436, 8.278

Protanopia

53, 18.620, 285.924

Deuteranopia

53, 18.134, 69.213



Tritanopia
53, 87.704, 35.242

Trichromacy



Original Color
52, 81.436, 8.278



Protanomaly
46, 45.822, 338.552



Deuteranomaly
47, 45.445, 9.741



Tritanomaly
52, 84.155, 25.976

Monochromacy



Original Color
52, 81.436, 8.278



Achromatopsia
36, 0.005, 296.813



Achromatomaly
36, 41.804, 354.946

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 81.700, 8.470 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(243, 0, 108)` looks like.

```
.text, #text, p{  
    color:rgb(243, 0, 108)  
}
```

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(243, 0, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 0, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 81.700, 8.470 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(243, 0, 108) }
```

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

```
.border{ border-color:rgb(243, 0, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 0, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 0, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 0, 108);  
box-shadow:4px 4px 4px 4px rgb(243, 0,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 81.700, 8.470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 0, 108) }
```

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

```
.background{ background-color: rgb(243, 0,  
108) }
```

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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