

Converting Colors

CIELCh(52, 80.877, 359.566)

Have a look what the booklet for
CIELCh(52, 80.877, 359.566)
contains.

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Color

CIELCh(52, 80.931, 359.735)

Conversions

Conversions Part 1

Format	Color
Hex	F00580
RGB	240, 5, 128
RGB Percent	94%, 2%, 50%
CMY	0.0598, 0.9800, 0.4988
CMYK	0.00, 0.98, 0.47, 0.06
HSL	329°, 96%, 48%
HSV	329°, 98%, 94%
XYZ	39.7887, 20.1443, 22.1445
YIQ	89.2870, 100.5770, 88.0730

Conversions

Conversions Part 2

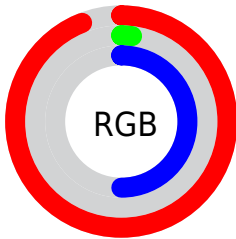
Format	Color
RYB	240, 5, 128
Decimal	15730048
CIELab	52.00, 80.93, -0.37
CIELCh	52, 80.931, 359.735
Yxy	20.1443, 0.4848, 0.2454
Android (android.graphics.Color)	4293920128 (0xFFFF00580)
YUV	89.2870, 19.0855, 132.1753
Hunter-Lab	44.8824, 79.6978, 2.1647

Details

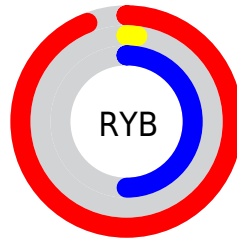
The CIELCh color **52, 80.931, 359.735** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark saturated rose. A complement of this color would be **84, 86.644, 148.085**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 68.960, 349.105**, and **38, 64.196, 7.000** is the 20% darker color. If you saturate the color by 10%, you get **52, 81.106, 0.573**, and if you desaturate by 10%, it is **53, 79.587, 356.050**.

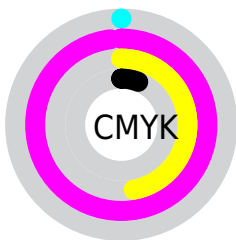
Distribution



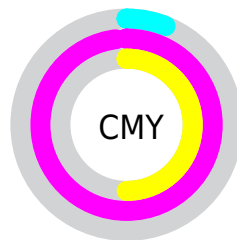
- Red (94%)
- Green (2%)
- Blue (50%)



- Red (94%)
- Yellow (2%)
- Blue (50%)



- Cyan (0%)
- Magenta (98%)
- Yellow (47%)
- Black (6%)





- Cyan (6%)
- Magenta (98%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 80.931, 359.735 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, 80.931, 359.735 by changing the saturation by 10% instead.


 52, 80.931,
359.735


 52, 80.931,
359.735


 100, 80.931,
359.735


 42, 80.931,
359.735


 72, 80.931,
359.735

 32, 80.931,
359.735

 82, 80.931,
359.735

 22, 80.931,
359.735

 92, 80.931,
359.735

 12, 80.931,
359.735

 2, 80.931, 359.735

 0, 80.931, 359.735

■ 52, 80.931,
359.735

■ 52, 80.931,
359.735

■ 52, 81.106, 0.573

■ 53, 79.587,
356.050

■ 55, 75.972,
353.108

■ 58, 69.939,
350.781

■ 62, 61.844,
348.912

■ 67, 52.242,
347.375

■ 72, 41.700,
346.075

■ 78, 30.690,
344.948

■ 84, 19.556,

343.947

 90, 8.528, 343.027

Harmonies

Complementary

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



52, 80.931, 359.735



84, 86.644, 148.085

Rectangle

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



52, 80.931, 359.735



52, 80.931, 49.735



52, 80.931, 179.735



52, 80.931, 229.735

Sweetspot

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



52, 80.927, 359.736



82, 33.574, 345.078



38, 119.231, 311.109



41, 23.051, 345.549



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, 80.927, 359.736



55, 84.954, 0.724



50, 97.448, 38.589



47, 6.161, 343.172



40, 66.517, 359.817



8, 29.672, 353.818

Inverse Universe

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



52, 80.927, 359.736



55, 84.954, 0.724



86, 48.990, 191.419



47, 6.161, 343.172



40, 66.517, 359.817



8, 29.672, 353.818

Previews

White Background



This preview shows how the CIELCh color 52, 80.931, 359.735 looks on a white background.

Color Contrast Check

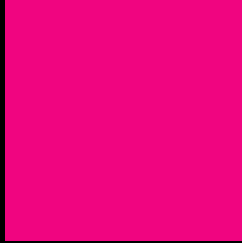
Large Text (above 18pt) WCAG AA ✓ Pass

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, 80.931, 359.735 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, 80.931, 359.735

Background



This preview shows how black text looks on a background with the CIELCh color 52, 80.931, 359.735.



This preview shows how white text looks on a background with the CIELCh color 52, 80.931, 359.735.

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, 81.002, 359.710

Protanopia
53, 35.535, 285.501

Deuteranopia
52, 8.069, 32.539



Tritanopia
52, 82.183, 33.563

Trichromacy



Original Color
52, 81.002, 359.710



Protanomaly
46, 54.478, 323.433



Deuteranomaly
47, 44.536, 353.415



Tritanomaly
52, 79.081, 21.090

Monochromacy



Original Color
52, 81.002, 359.710



Achromatopsia
38, 0.005, 296.813



Achromatomaly
38, 42.176, 348.846

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 80.931, 359.735 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, 5, 128)` looks like.

```
.text, #text, p{  
    color:rgb(240, 5, 128)  
}
```

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, 5, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 5, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 80.931, 359.735 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, 5, 128) }
```

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

```
.border{ border-color:rgb(240, 5, 128) }
```

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

Here you see how a box with a 4 pixel rgb(240, 5, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 5, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 5, 128);  
box-shadow:4px 4px 4px 4px rgb(240, 5,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 80.931, 359.735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 5, 128) }
```

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

```
.background{ background-color: rgb(240, 5,  
128) }
```

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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