

Converting Colors

CIELCh(51, 80.630, 8.835)

Have a look what the booklet for
CIELCh(51, 80.630, 8.835) contains.

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Color

CIELCh(51, 80.473, 9.147)

Conversions

Conversions Part 1

Format	Color
Hex	EF0068
RGB	239, 0, 104
RGB Percent	94%, 0%, 41%
CMY	0.0639, 1.0000, 0.5931
CMYK	0.00, 1.00, 0.57, 0.06
HSL	334°, 100%, 47%
HSV	334°, 100%, 94%
XYZ	37.9692, 19.2686, 14.7535
YIQ	83.3170, 109.0600, 83.0120

Conversions

Conversions Part 2

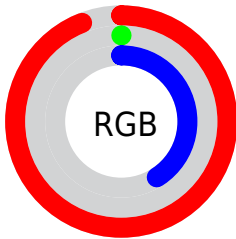
Format	Color
RYB	239, 0, 104
Decimal	15663208
CIELab	51.00, 79.45, 12.79
CIElCh	51, 80.473, 9.147
Yxy	19.2686, 0.5274, 0.2677
Android (android.graphics.Color)	4293853288 (0xFFEF0068)
YUV	83.3170, 10.1967, 136.5340
Hunter-Lab	43.8960, 77.5808, 10.7999

Details

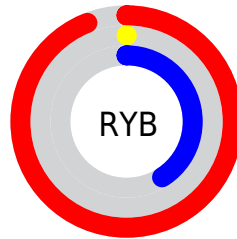
The CIELCh color **51, 80.473, 9.147** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed rose. A complement of this color would be **84, 79.578, 152.268**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 65.640, 0.215**, and **37, 65.150, 17.977** is the 20% darker color. If you saturate the color by 10%, you get **51, 80.399, 9.183**, and if you desaturate by 10%, it is **52, 78.378, 4.488**.

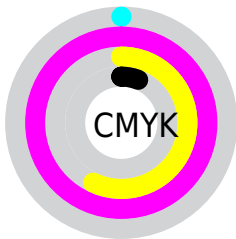
Distribution



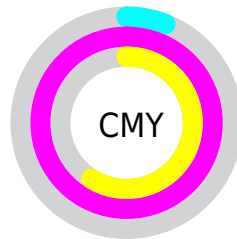
- Red (94%)
- Green (0%)
- Blue (41%)



- Red (94%)
- Yellow (0%)
- Blue (41%)



- Cyan (0%)
- Magenta (100%)
- Yellow (57%)
- Black (6%)



- Cyan (6%)
- Magenta (100%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 80.473, 9.147 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 51, 80.473, 9.147 by changing the saturation by 10% instead.

 51, 80.473, 9.147

 51, 80.473, 9.147

 100, 80.473, 9.147

 41, 80.473, 9.147

 71, 80.473, 9.147

 31, 80.473, 9.147

 81, 80.473, 9.147

 21, 80.473, 9.147

 91, 80.473, 9.147

 11, 80.473, 9.147

 1, 80.473, 9.147

 0, 80.473, 9.147

 51, 80.473, 9.147

 51, 80.473, 9.147

 51, 80.399, 9.183

 52, 78.378, 4.488

 54, 74.683, 0.627

■ 57, 68.845,
357.586

■ 61, 61.085,
355.187

■ 65, 51.891,
353.262

■ 71, 41.803,
351.681

■ 76, 31.284,
350.349

■ 82, 20.676,
349.198

■ 88, 10.206,
348.171

Harmonies

Complementary

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



51, 80.473, 9.147



84, 79.578, 152.268

Rectangle

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



51, 80.473, 9.147



51, 80.473, 59.147



51, 80.473, 189.147



51, 80.473, 239.147

Sweetspot

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



51, 80.399, 9.183



81, 33.008, 350.362



40, 117.610, 312.913



40, 22.561, 350.901



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



51, 80.399, 9.183



54, 84.538, 9.382



50, 98.853, 40.385



47, 5.814, 348.119



39, 65.995, 8.268



8, 28.976, 0.726

Inverse Universe

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



51, 80.399, 9.183



54, 84.538, 9.382



82, 44.560, 204.828



47, 5.814, 348.119



39, 65.995, 8.268



8, 28.976, 0.726

Previews

White Background



This preview shows how the CIELCh color 51, 80.473, 9.147 looks on a white background.

Color Contrast Check

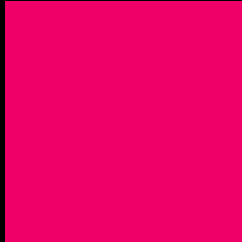
Large Text (above 18pt) WCAG AA ✓ Pass

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 51, 80.473, 9.147 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 51, 80.473, 9.147

Background



This preview shows how black text looks on a background with the CIELCh color 51, 80.473, 9.147.

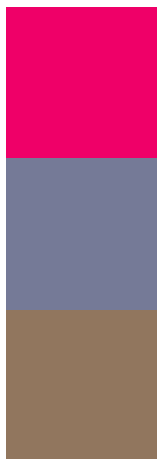


This preview shows how white text looks on a background with the CIELCh color 51, 80.473, 9.147.

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

51, 80.473, 9.147

Protanopia

52, 16.918, 286.203

Deuteranopia

52, 18.532, 68.090



Tritanopia
51, 86.692, 35.379

Trichromacy



Original Color
51, 80.473, 9.147



Protanomaly
45, 44.373, 339.451



Deuteranomaly
46, 45.147, 10.400



Tritanomaly
51, 83.173, 26.483

Monochromacy



Original Color
51, 80.473, 9.147



Achromatopsia
35, 0.005, 296.813



Achromatomaly
36, 41.023, 355.002

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 80.473, 9.147 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(239, 0, 104)` looks like.

```
.text, #text, p{  
    color:rgb(239, 0, 104)  
}
```

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(239, 0, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 0, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 80.473, 9.147 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(239, 0, 104) }
```

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

```
.border{ border-color:rgb(239, 0, 104) }
```

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

Here you see how a box with a 4 pixel rgb(239, 0, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 0, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 0, 104);  
box-shadow:4px 4px 4px 4px rgb(239, 0,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 80.473, 9.147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 0, 104) }
```

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

```
.background{ background-color: rgb(239, 0,  
104) }
```

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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