

Converting Colors

CIELCh(51, 80.804, 10.735)

Have a look what the booklet for
CIELCh(51, 80.804, 10.735) contains.

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Color

CIELCh(51, 80.633, 10.801)

Conversions

Conversions Part 1

Format	Color
Hex	EF0064
RGB	239, 0, 100
RGB Percent	94%, 0%, 39%
CMY	0.0628, 0.9999, 0.6079
CMYK	0.00, 1.00, 0.58, 0.06
HSL	335°, 100%, 47%
HSV	335°, 100%, 94%
XYZ	37.8934, 19.2686, 13.7771
YIQ	82.8610, 110.3440, 81.7680

Conversions

Conversions Part 2

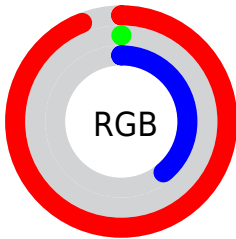
Format	Color
R_{YB}	239, 0, 100
Decimal	15663204
CIE _{Lab}	51.00, 79.20, 15.11
CIE _{LCh}	51, 80.633, 10.801
Yxy	19.2686, 0.5342, 0.2716
Android (android.graphics.Color)	4293853284 (0xFFEF0064)
YUV	82.8610, 8.4495, 136.9339
Hunter-Lab	43.8960, 77.2726, 12.1186

Details

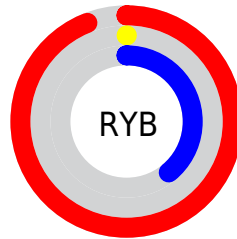
The CIELCh color **51, 80.633, 10.801** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed rose. A complement of this color would be **84, 78.172, 153.241**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 65.203, 2.575**, and **37, 65.772, 20.085** is the 20% darker color. If you saturate the color by 10%, you get **51, 80.632, 10.809**, and if you desaturate by 10%, it is **52, 78.380, 5.964**.

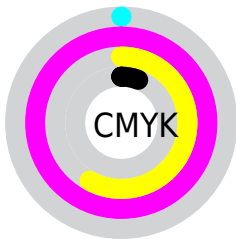
Distribution



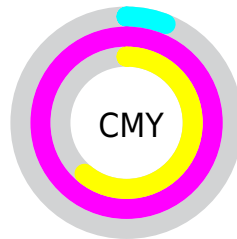
- Red (94%)
- Green (0%)
- Blue (39%)



- Red (94%)
- Yellow (0%)
- Blue (39%)



- Cyan (0%)
- Magenta (100%)
- Yellow (58%)
- Black (6%)



- Cyan (6%)
- Magenta (100%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 80.633, 10.801 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, 80.633, 10.801 by changing the saturation by 10% instead.

51, 80.633, 10.801

51, 80.633, 10.801

100, 80.633,
10.801

41, 80.633, 10.801

71, 80.633, 10.801

31, 80.633, 10.801

81, 80.633, 10.801

21, 80.633, 10.801

91, 80.633, 10.801

11, 80.633, 10.801

1, 80.633, 10.801

0, 80.633, 10.801

51, 80.633, 10.801

51, 80.633, 10.801

51, 80.632, 10.809

52, 78.380, 5.964

54, 74.524, 1.971

■ 57, 68.587,
358.824

■ 61, 60.775,
356.344

■ 65, 51.569,
354.360

■ 71, 41.501,
352.736

■ 76, 31.029,
351.373

■ 82, 20.488,
350.199

■ 88, 10.099,
349.156

Harmonies

Complementary

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



51, 80.633, 10.801



84, 78.172, 153.241

Rectangle

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



51, 80.633, 10.801



51, 80.633, 60.801



51, 80.633, 190.801



51, 80.633, 240.801

Sweetspot

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



51, 80.629, 10.803



81, 32.720, 351.388



40, 117.289, 313.339



40, 22.372, 351.939



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, 80.629, 10.803



54, 84.714, 11.010



50, 98.690, 40.539



47, 5.755, 349.104



39, 66.087, 9.864



8, 28.903, 2.039

Inverse Universe

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



51, 80.629, 10.803



54, 84.714, 11.010



81, 43.763, 207.926



47, 5.755, 349.104



39, 66.087, 9.864



8, 28.903, 2.039

Previews

White Background



This preview shows how the CIELCh color 51, 80.633, 10.801 looks on a white background.

Color Contrast Check

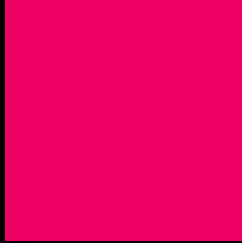
Large Text (above 18pt) WCAG AA ✓ Pass

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, 80.633, 10.801 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, 80.633, 10.801

Background



This preview shows how black text looks on a background with the CIELCh color 51, 80.633, 10.801.



This preview shows how white text looks on a background with the CIELCh color 51, 80.633, 10.801.

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, 80.633, 10.801

Protanopia

52, 14.007, 285.936

Deuteranopia

52, 20.710, 70.770



Tritanopia
51, 87.726, 35.823

Trichromacy



Original Color
51, 80.633, 10.801



Protanomaly
45, 42.980, 342.949



Deuteranomaly
46, 45.626, 13.562



Tritanomaly
51, 84.074, 27.214

Monochromacy



Original Color
51, 80.633, 10.801



Achromatopsia
35, 0.005, 296.813



Achromatomaly
36, 40.686, 356.625

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 80.633, 10.801 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, 100)` looks like.

```
.text, #text, p{  
    color:rgb(239, 0, 100)  
}
```

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, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 0, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 80.633, 10.801 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, 100) }
```

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

```
.border{ border-color:rgb(239, 0, 100) }
```

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, 100) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 0, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 0, 100);  
box-shadow:4px 4px 4px 4px rgb(239, 0,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 80.633, 10.801 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, 100) }
```

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

```
.background{ background-color: rgb(239, 0,  
100) }
```

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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