

Converting Colors

CIELCh(51, 80.508, 358.652)

Have a look what the booklet for
CIELCh(51, 80.508, 358.652)
contains.

CIELCh(51, 80.529, 358.691)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(51, 80.529, 358.691)

Conversions

Conversions Part 1

Format	Color
Hex	EC0080
RGB	236, 0, 128
RGB Percent	93%, 0%, 50%
CMY	0.0763, 1.0000, 0.4995
CMYK	0.00, 1.00, 0.46, 0.08
HSL	327°, 100%, 46%
HSV	327°, 100%, 92%
XYZ	38.2975, 19.2686, 21.9986
YIQ	85.1560, 99.5680, 89.8400

Conversions

Conversions Part 2

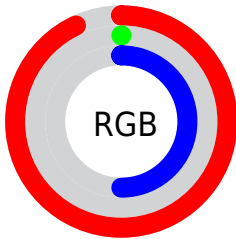
Format	Color
R_{YB}	236, 0, 128
Decimal	15466624
CIE _{Lab}	51.00, 80.51, -1.84
CIE _{LCh}	51, 80.529, 358.691
Yxy	19.2686, 0.4813, 0.2422
Android (android.graphics.Color)	4293656704 (0xFFEC0080)
YUV	85.1560, 21.1221, 132.2902
Hunter-Lab	43.8960, 78.9159, 1.0138

Details

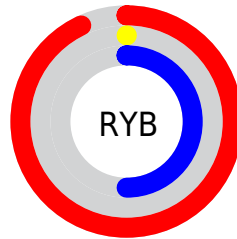
The CIELCh color **51, 80.529, 358.691** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **82, 88.156, 146.759**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 69.400, 348.987**, and **37, 63.122, 5.913** is the 20% darker color. If you saturate the color by 10%, you get **51, 80.404, 358.733**, and if you desaturate by 10%, it is **52, 79.471, 355.150**.

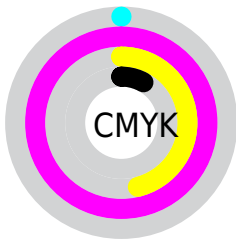
Distribution



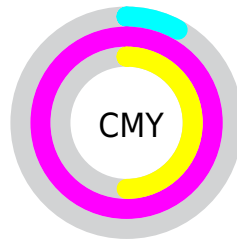
- Red (93%)
- Green (0%)
- Blue (50%)



- Red (93%)
- Yellow (0%)
- Blue (50%)



- Cyan (0%)
- Magenta (100%)
- Yellow (46%)
- Black (8%)





- Cyan (8%)
- Magenta (100%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 80.529, 358.691 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, 80.529, 358.691 by changing the saturation by 10% instead.


 51, 80.529,
358.691


 51, 80.529,
358.691


 100, 80.529,
358.691


 41, 80.529,
358.691


 71, 80.529,
358.691

 31, 80.529,
358.691

 81, 80.529,
358.691

 21, 80.529,
358.691

 91, 80.529,
358.691

 11, 80.529,
358.691

 1, 80.529, 358.691

 0, 80.529, 358.691

■ 51, 80.529,
358.691

■ 51, 80.529,
358.691

■ 51, 80.404,
358.733

■ 52, 79.471,
355.150

■ 54, 76.479,
352.237

■ 57, 71.032,
349.928

■ 61, 63.417,
348.073

■ 65, 54.165,
346.547

■ 70, 43.848,
345.255

■ 75, 32.960,
344.135

■ 81, 21.872,

343.139

■ 87, 10.835,
342.231

Harmonies

Complementary

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



51, 80.529, 358.691



82, 88.156, 146.759

Rectangle

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



51, 80.529, 358.691



51, 80.529, 48.691



51, 80.529, 178.691



51, 80.529, 228.691

Sweetspot

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



51, 80.404, 358.733



81, 35.151, 344.148



36, 118.988, 310.650



41, 23.982, 344.606



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, 80.404, 358.733



55, 85.334, 358.919



49, 96.524, 38.511



46, 6.132, 342.183



39, 66.162, 358.019



8, 29.052, 352.096

Inverse Universe

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



51, 80.404, 358.733



55, 85.334, 358.919



85, 49.241, 188.897



46, 6.132, 342.183



39, 66.162, 358.019



8, 29.052, 352.096

Previews

White Background



This preview shows how the CIELCh color 51, 80.529, 358.691 looks on a white background.

Color Contrast Check

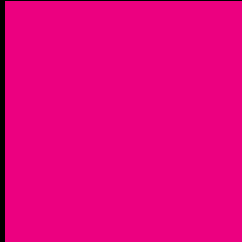
Large Text (above 18pt) WCAG AA ✓ Pass

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, 80.529, 358.691 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, 80.529, 358.691

Background



This preview shows how black text looks on a background with the CIELCh color 51, 80.529, 358.691.

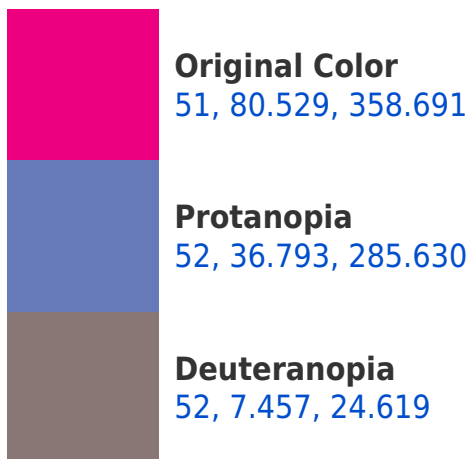


This preview shows how white text looks on a background with the CIELCh color 51, 80.529, 358.691.

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





Tritanopia
52, 80.671, 33.400

Trichromacy



Original Color
51, 80.529, 358.691



Protanomaly
45, 55.989, 322.558



Deuteranomaly
46, 45.216, 351.521



Tritanomaly
51, 78.012, 20.352

Monochromacy



Original Color
51, 80.529, 358.691



Achromatopsia
36, 0.005, 296.813



Achromatomaly
36, 42.716, 347.648

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 80.529, 358.691 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(236, 0, 128)` looks like.

```
.text, #text, p{  
    color:rgb(236, 0, 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(236, 0, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 0, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 80.529, 358.691 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(236, 0, 128) }
```

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

```
.border{ border-color:rgb(236, 0, 128) }
```

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

Here you see how a box with a 4 pixel rgb(236, 0, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 0, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 0, 128);  
box-shadow:4px 4px 4px 4px rgb(236, 0,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 80.529, 358.691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 0, 128) }
```

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

```
.background{ background-color: rgb(236, 0,  
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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