

Converting Colors

CIELCh(51, 89.811, 338.192)

Have a look what the booklet for
CIELCh(51, 89.811, 338.192)
contains.

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Color

CIELCh(51, 89.777, 338.318)

Conversions

Conversions Part 1

Format	Color
Hex	E100B4
RGB	225, 0, 180
RGB Percent	88%, 0%, 71%
CMY	0.1184, 0.9990, 0.2948
CMYK	0.00, 1.00, 0.20, 0.12
HSL	312°, 100%, 44%
HSV	312°, 100%, 88%
XYZ	39.2122, 19.2686, 44.7382
YIQ	87.7950, 76.3200, 103.6800

Conversions

Conversions Part 2

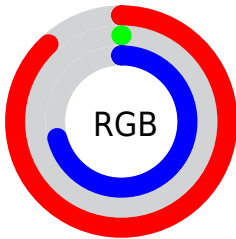
Format	Color
R_{YB}	225, 0, 180
Decimal	14745780
CIE _{Lab}	51.00, 83.43, -33.17
CIE _{LCh}	51, 89.777, 338.318
Yxy	19.2686, 0.3799, 0.1867
Android (android.graphics.Color)	4292935860 (0xFFE100B4)
YUV	87.7950, 45.4571, 120.3288
Hunter-Lab	43.8960, 82.6356, -29.7003

Details

The CIELCh color **51, 89.777, 338.318** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle washed rose. A complement of this color would be **78, 102.864, 138.375**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 85.961, 331.603**, and **37, 69.976, 339.935** is the 20% darker color. If you saturate the color by 10%, you get **51, 89.780, 338.331**, and if you desaturate by 10%, it is **52, 88.889, 337.234**.

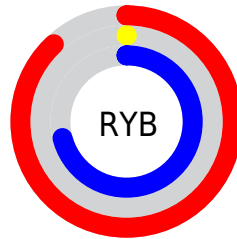
Distribution



Red (88%)

Green (0%)

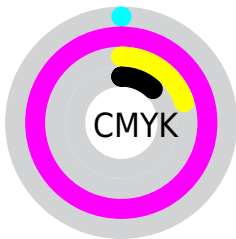
Blue (71%)



Red (88%)

Yellow (0%)

Blue (71%)

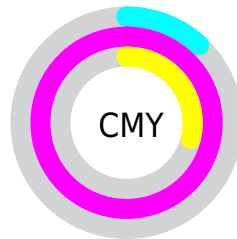


Cyan (0%)

Magenta (100%)

Yellow (20%)

Black (12%)



Cyan (12%)


Magenta (100%)


Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 89.777, 338.318 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, 89.777, 338.318 by changing the saturation by 10% instead.


 51, 89.777,
338.318


 51, 89.777,
338.318


 100, 89.777,
338.318


 41, 89.777,
338.318


 71, 89.777,
338.318

 31, 89.777,
338.318

 81, 89.777,
338.318

 21, 89.777,
338.318

 91, 89.777,
338.318

 11, 89.777,
338.318

 1, 89.777, 338.318

 0, 89.777, 338.318

■ 51, 89.777,
338.318

■ 51, 89.777,
338.318

■ 51, 89.780,
338.331

■ 52, 88.889,
337.234

■ 54, 85.641,
336.275

■ 56, 79.710,
335.418

■ 59, 71.401,
334.627

■ 63, 61.236,
333.879

■ 68, 49.791,
333.160

■ 73, 37.579,
332.465

■ 78, 25.008,

331.790

■ 84, 12.371,
331.129

Harmonies

Complementary

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



51, 89.777, 338.318



78, 102.864, 138.375

Rectangle

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



51, 89.777, 338.318



51, 89.777, 28.318



51, 89.777, 158.318



51, 89.777, 208.318

Sweetspot

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



51, 89.774, 338.318



82, 41.782, 332.487



29, 119.917, 307.172



41, 28.443, 332.780



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, 89.774, 338.318



58, 98.648, 338.418



47, 80.019, 21.849



44, 7.095, 331.099



40, 74.940, 338.133



7, 31.372, 336.210

Inverse Universe

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



51, 89.774, 338.318



58, 98.648, 338.418



80, 64.494, 161.578



44, 7.095, 331.099



40, 74.940, 338.133



7, 31.372, 336.210

Previews

White Background



This preview shows how the CIELCh color 51, 89.777, 338.318 looks on a white background.

Color Contrast Check

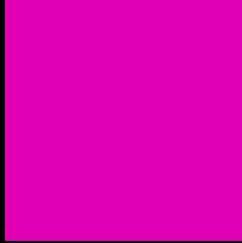
Large Text (above 18pt) WCAG AA ✓ Pass

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, 89.777, 338.318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

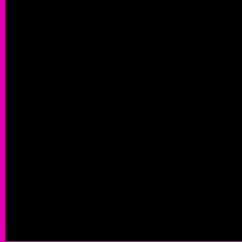
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 89.777, 338.318

Background



This preview shows how black text looks on a background with the CIELCh color 51, 89.777, 338.318.



This preview shows how white text looks on a background with the CIELCh color 51, 89.777, 338.318.

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, 89.860, 338.312

Protanopia

52, 77.666, 287.744

Deuteranopia

52, 27.487, 284.599



Tritanopia
51, 64.127, 27.740

Trichromacy



Original Color
51, 89.860, 338.312



Protanomaly
42, 88.689, 301.748



Deuteranomaly
46, 59.698, 320.073



Tritanomaly
50, 69.068, 3.912

Monochromacy



Original Color
51, 89.860, 338.312



Achromatopsia
37, 0.005, 296.813



Achromatomaly
37, 47.805, 334.724

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 89.777, 338.318 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(225, 0, 180)` looks like.

```
.text, #text, p{  
    color:rgb(225, 0, 180)  
}
```

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(225, 0, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 0, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 89.777, 338.318 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(225, 0, 180) }
```

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

```
.border{ border-color:rgb(225, 0, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 0, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 0, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 0, 180);  
box-shadow:4px 4px 4px 4px rgb(225, 0,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 89.777, 338.318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 0, 180) }
```

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

```
.background{ background-color: rgb(225, 0,  
180) }
```

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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