

Converting Colors

CIELCh(50, 81.202, 351.740)

Have a look what the booklet for
CIELCh(50, 81.202, 351.740)
contains.

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Color

CIELCh(50, 80.791, 351.765)

Conversions

Conversions Part 1

Format	Color
Hex	E4008D
RGB	228, 0, 141
RGB Percent	89%, 0%, 55%
CMY	0.1059, 0.9997, 0.4470
CMYK	0.00, 1.00, 0.38, 0.11
HSL	323°, 100%, 45%
HSV	323°, 100%, 89%
XYZ	36.8052, 18.4187, 26.8164
YIQ	84.2460, 90.6270, 92.1870

Conversions

Conversions Part 2

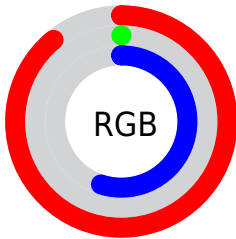
Format	Color
R_{YB}	228, 0, 141
Decimal	14942349
CIE _{Lab}	50.00, 79.96, -11.57
CIE _{LCh}	50, 80.791, 351.765
Yxy	18.4187, 0.4486, 0.2245
Android (android.graphics.Color)	4293132429 (0xFFE4008D)
YUV	84.2460, 27.9797, 126.0723
Hunter-Lab	42.9170, 77.9753, -7.0051

Details

The CIELCh color **50, 80.791, 351.765** is a dark color, and the websafe version is hex **FF0099**. The color can be described as dark washed rose. A complement of this color would be **80, 92.096, 143.631**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 73.244, 343.586**, and **36, 62.429, 357.491** is the 20% darker color. If you saturate the color by 10%, you get **50, 80.788, 351.774**, and if you desaturate by 10%, it is **51, 80.173, 349.043**.

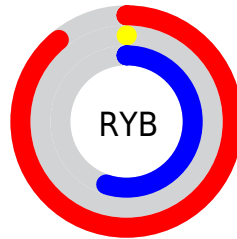
Distribution



Red (89%)

Green (0%)

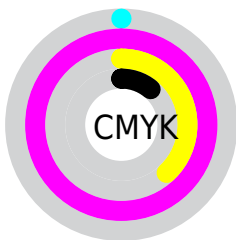
Blue (55%)



Red (89%)

Yellow (0%)

Blue (55%)

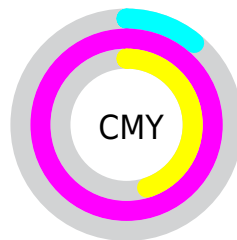


Cyan (0%)

Magenta (100%)

Yellow (38%)

Black (11%)



Cyan (11%)


Magenta (100%)


Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 80.791, 351.765 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 50, 80.791, 351.765 by changing the saturation by 10% instead.


 50, 80.791,
351.765


 50, 80.791,
351.765


 100, 80.791,
351.765


 40, 80.791,
351.765


 70, 80.791,
351.765

 30, 80.791,
351.765


 80, 80.791,
351.765


 20, 80.791,
351.765

 90, 80.791,
351.765

 10, 80.791,
351.765

 0, 80.791, 351.765

 50, 80.791,
351.765

 50, 80.791,
351.765

50, 80.788,
351.774

51, 80.173,
349.043

53, 77.367,
346.811

56, 72.017,
345.010

59, 64.432,
343.527

63, 55.149,
342.272

68, 44.736,
341.179

73, 33.691,
340.205

79, 22.391,
339.320

85, 11.096,

Harmonies

Complementary

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



50, 80.791, 351.765



80, 92.096, 143.631

Rectangle

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



50, 80.791, 351.765



50, 80.791, 41.765



50, 80.791, 171.765



50, 80.791, 221.765

Sweetspot

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



50, 80.787, 351.766



81, 36.927, 340.225



33, 118.058, 309.162



41, 25.170, 340.627



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



50, 80.787, 351.766



56, 87.821, 351.977



48, 89.899, 34.663



45, 6.351, 338.455



39, 67.471, 351.258



7, 29.132, 346.576

Inverse Universe

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



50, 80.787, 351.766



56, 87.821, 351.977



82, 52.692, 177.955



45, 6.351, 338.455



39, 67.471, 351.258



7, 29.132, 346.576

Previews

White Background



This preview shows how the CIELCh color 50, 80.791, 351.765 looks on a white background.

Color Contrast Check

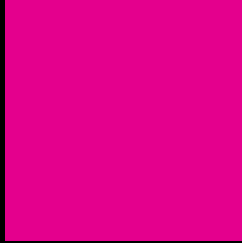
Large Text (above 18pt) WCAG AA ✓ Pass

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 50, 80.791, 351.765 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

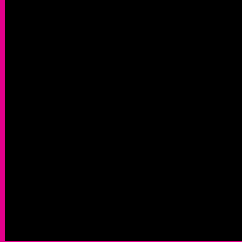
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 80.791, 351.765

Background



This preview shows how black text looks on a background with the CIELCh color 50, 80.791, 351.765.



This preview shows how white text looks on a background with the CIELCh color 50, 80.791, 351.765.

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

50, 80.791, 351.765

Protanopia

51, 49.142, 286.203

Deuteranopia

51, 9.293, 318.815



Tritanopia
50, 74.436, 31.472

Trichromacy



Original Color
50, 80.791, 351.765



Protanomaly
44, 64.293, 314.982



Deuteranomaly
45, 47.667, 339.644

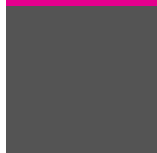


Tritanomaly
49, 73.557, 15.691

Monochromacy



Original Color
50, 80.791, 351.765



Achromatopsia
36, 0.005, 296.813



Achromatomaly
36, 43.426, 342.907

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 80.791, 351.765 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(228, 0, 141)` looks like.

```
.text, #text, p{  
    color:rgb(228, 0, 141)  
}
```

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(228, 0, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 0, 141) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 80.791, 351.765 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(228, 0, 141) }
```

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

```
.border{ border-color:rgb(228, 0, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 0, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 0, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 0, 141);  
box-shadow:4px 4px 4px 4px rgb(228, 0,  
141) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 80.791, 351.765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 0, 141) }
```

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

```
.background{ background-color: rgb(228, 0,  
141) }
```

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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