

Converting Colors

CIELCh(50, 80.238, 354.066)

Have a look what the booklet for
CIELCh(50, 80.238, 354.066)
contains.

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Color

CIELCh(50, 80.164, 353.914)

Conversions

Conversions Part 1

Format	Color
Hex	E50088
RGB	229, 0, 136
RGB Percent	90%, 0%, 53%
CMY	0.1022, 1.0000, 0.4669
CMYK	0.00, 1.00, 0.41, 0.10
HSL	324°, 100%, 45%
HSV	324°, 100%, 90%
XYZ	36.7308, 18.4187, 24.8924
YIQ	83.9750, 92.8280, 90.8440

Conversions

Conversions Part 2

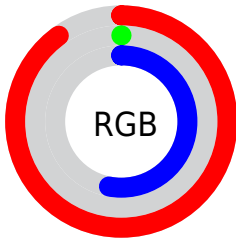
Format	Color
R_{YB}	229, 0, 136
Decimal	15007880
CIE _{Lab}	50.00, 79.71, -8.50
CIE _{LCh}	50, 80.164, 353.914
Yxy	18.4187, 0.4589, 0.2301
Android (android.graphics.Color)	4293197960 (0xFFE50088)
YUV	83.9750, 25.6483, 127.1869
Hunter-Lab	42.9170, 77.6658, -4.3471

Details

The CIELCh color **50, 80.164, 353.914** 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 **80, 90.470, 144.574**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 72.137, 345.683**, and **36, 61.945, 0.245** is the 20% darker color. If you saturate the color by 10%, you get **50, 80.145, 353.919**, and if you desaturate by 10%, it is **51, 79.462, 350.929**.

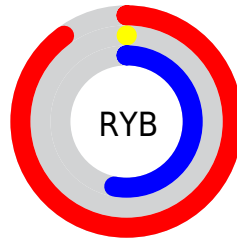
Distribution



Red (90%)

Green (0%)

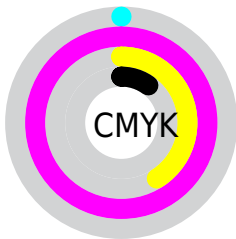
Blue (53%)



Red (90%)

Yellow (0%)

Blue (53%)

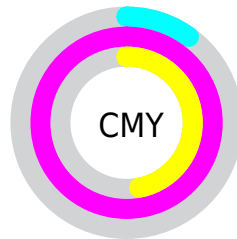


Cyan (0%)

Magenta (100%)

Yellow (41%)

Black (10%)



Cyan (10%)


Magenta (100%)


Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 80.164, 353.914 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, 80.164, 353.914 by changing the saturation by 10% instead.


 50, 80.164,
353.914


 50, 80.164,
353.914


 100, 80.164,
353.914


 40, 80.164,
353.914


 70, 80.164,
353.914

 30, 80.164,
353.914


 80, 80.164,
353.914


 20, 80.164,
353.914

 90, 80.164,
353.914

 10, 80.164,
353.914

 0, 80.164, 353.914

 50, 80.164,
353.914

 50, 80.164,
353.914

50, 80.145,
353.919

51, 79.462,
350.929

53, 76.636,
348.486

56, 71.301,
346.529

59, 63.760,
344.932

63, 54.546,
343.593

68, 44.227,
342.439

74, 33.296,
341.420

79, 22.126,
340.500

85, 10.976,

339.650

Harmonies

Complementary

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



50, 80.164, 353.914



80, 90.470, 144.574

Rectangle

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



50, 80.164, 353.914



50, 80.164, 43.914



50, 80.164, 173.914



50, 80.164, 223.914

Sweetspot

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



50, 80.145, 353.919



81, 36.338, 341.437



34, 117.658, 309.720



41, 24.775, 341.856



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, 80.145, 353.919



56, 86.865, 354.133



48, 92.071, 36.457



45, 6.243, 339.605



39, 66.718, 353.343



7, 28.763, 348.200

Inverse Universe

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



50, 80.145, 353.919



56, 86.865, 354.133



82, 50.816, 182.096



45, 6.243, 339.605



39, 66.718, 353.343



7, 28.763, 348.200

Previews

White Background



This preview shows how the CIELCh color 50, 80.164, 353.914 looks on a white background.

Color Contrast Check

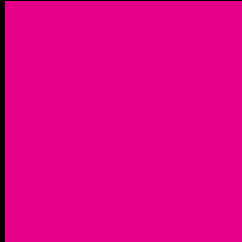
Large Text (above 18pt) WCAG AA ✓ Pass

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, 80.164, 353.914 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, 80.164, 353.914

Background



This preview shows how black text looks on a background with the CIELCh color 50, 80.164, 353.914.

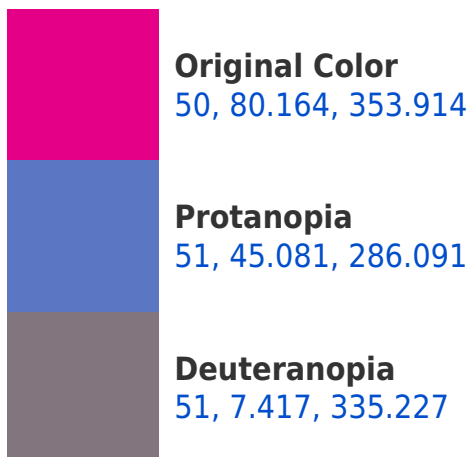


This preview shows how white text looks on a background with the CIELCh color 50, 80.164, 353.914.

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
50, 75.996, 32.221

Trichromacy



Original Color
50, 80.164, 353.914



Protanomaly
44, 61.374, 316.976



Deuteranomaly
45, 46.521, 343.309



Tritanomaly
49, 74.669, 17.405

Monochromacy



Original Color
50, 80.164, 353.914



Achromatopsia
36, 0.005, 296.813



Achromatomaly
36, 43.053, 344.710

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 80.164, 353.914 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(229, 0, 136)` looks like.

```
.text, #text, p{  
    color:rgb(229, 0, 136)  
}
```

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(229, 0, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 0, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 80.164, 353.914 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(229, 0, 136) }
```

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

```
.border{ border-color:rgb(229, 0, 136) }
```

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

Here you see how a box with a 4 pixel rgb(229, 0, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 0, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 0, 136);  
box-shadow:4px 4px 4px 4px rgb(229, 0,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 80.164, 353.914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 0, 136) }
```

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

```
.background{ background-color: rgb(229, 0,  
136) }
```

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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