

Converting Colors

CIELCh(38, 117.629, 353.950)

Have a look what the booklet for
CIELCh(38, 117.629, 353.950)
contains.

CIELCh(50, 79.179, 4.381)	3
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Color

CIELCh(50, 79.179, 4.381)

Conversions

Conversions Part 1

Format	Color
Hex	E90070
RGB	233, 0, 112
RGB Percent	91%, 0%, 44%
CMY	0.0863, 1.0000, 0.5599
CMYK	0.00, 1.00, 0.52, 0.09
HSL	331°, 100%, 46%
HSV	331°, 100%, 91%
XYZ	36.4999, 18.4187, 17.0239
YIQ	82.4350, 102.9160, 84.2280

Conversions

Conversions Part 2

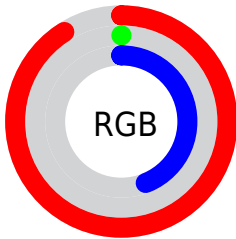
Format	Color
R_{YB}	233, 0, 112
Decimal	15270000
CIE _{Lab}	50.00, 78.95, 6.05
CIE _{LCh}	50, 79.179, 4.381
Yxy	18.4187, 0.5073, 0.2560
Android (android.graphics.Color)	4293460080 (0xFFE90070)
YUV	82.4350, 14.5755, 132.0455
Hunter-Lab	42.9170, 76.7057, 6.5233

Details

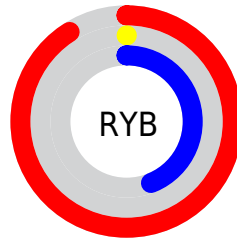
The CIELCh color **50, 79.179, 4.381** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **82, 82.206, 149.716**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 67.015, 356.375**, and **36, 62.763, 13.015** is the 20% darker color. If you saturate the color by 10%, you get **50, 78.916, 4.493**, and if you desaturate by 10%, it is **51, 77.455, 0.273**.

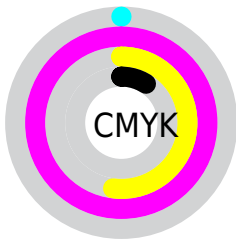
Distribution



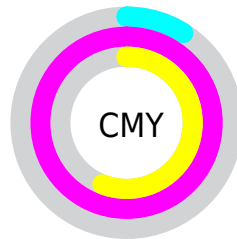
- Red (91%)
- Green (0%)
- Blue (44%)



- Red (91%)
- Yellow (0%)
- Blue (44%)



- Cyan (0%)
- Magenta (100%)
- Yellow (52%)
- Black (9%)



- Cyan (9%)
- Magenta (100%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 79.179, 4.381 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, 79.179, 4.381 by changing the saturation by 10% instead.

 50, 79.179, 4.381  50, 79.179, 4.381

 100, 79.179, 4.381  40, 79.179, 4.381

 70, 79.179, 4.381  30, 79.179, 4.381

 80, 79.179, 4.381  20, 79.179, 4.381

 90, 79.179, 4.381  10, 79.179, 4.381

 0, 79.179, 4.381

 50, 79.179, 4.381  50, 79.179, 4.381

 50, 78.916, 4.493  51, 77.455, 0.273

 53, 74.169,
356.828

56, 68.623,
354.113

60, 61.070,
351.958

64, 52.014,
350.212

69, 42.000,
348.761

75, 31.498,
347.522

80, 20.858,
346.440

86, 10.314,
345.465

Harmonies

Complementary

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



50, 79.179, 4.381



82, 82.206, 149.716

Rectangle

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



50, 79.179, 4.381



50, 79.179, 54.381



50, 79.179, 184.381



50, 79.179, 234.381

Sweetspot

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



50, 78.916, 4.493



81, 33.892, 347.539



38, 116.311, 312.116



40, 23.144, 348.043



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, 78.916, 4.493



55, 84.476, 4.743



49, 97.465, 40.131



46, 5.888, 345.415



39, 65.382, 3.683



8, 28.444, 356.623

Inverse Universe

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



50, 78.916, 4.493



55, 84.476, 4.743



83, 45.702, 199.052



46, 5.888, 345.415



39, 65.382, 3.683



8, 28.444, 356.623

Previews

White Background



This preview shows how the CIELCh color 50, 79.179, 4.381 looks on a white background.

Color Contrast Check

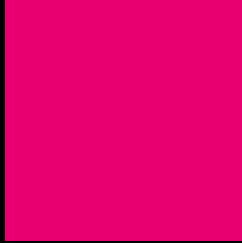
Large Text (above 18pt) WCAG AA ✓ Pass

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, 79.179, 4.381 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, 79.179, 4.381

Background



This preview shows how black text looks on a background with the CIELCh color 50, 79.179, 4.381.



This preview shows how white text looks on a background with the CIELCh color 50, 79.179, 4.381.

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, 78.912, 4.585

Protanopia

51, 25.209, 285.657

Deuteranopia

51, 12.564, 56.937



Tritanopia
51, 82.799, 34.569

Trichromacy



Original Color
50, 78.912, 4.585



Protanomaly
44, 48.030, 331.124



Deuteranomaly
45, 43.736, 2.381



Tritanomaly
50, 79.484, 23.840

Monochromacy



Original Color
50, 78.912, 4.585



Achromatopsia
35, 0.005, 296.813



Achromatomaly
35, 41.024, 351.846

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 79.179, 4.381 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(233, 0, 112)` looks like.

```
.text, #text, p{  
    color:rgb(233, 0, 112)  
}
```

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(233, 0, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 0, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 79.179, 4.381 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(233, 0, 112) }
```

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

```
.border{ border-color:rgb(233, 0, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 0, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 0, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 0, 112);  
box-shadow:4px 4px 4px 4px rgb(233, 0,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 79.179, 4.381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 0, 112) }
```

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

```
.background{ background-color: rgb(233, 0,  
112) }
```

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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