

Converting Colors

CIELCh(50, 78.421, 0.889)

Have a look what the booklet for
CIELCh(50, 78.421, 0.889) contains.

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Color

CIELCh(50, 78.445, 0.949)

Conversions

Conversions Part 1

Format	Color
Hex	E70578
RGB	231, 5, 120
RGB Percent	91%, 2%, 47%
CMY	0.0946, 0.9821, 0.5298
CMYK	0.00, 0.98, 0.48, 0.09
HSL	329°, 96%, 46%
HSV	329°, 98%, 91%
XYZ	36.3455, 18.4187, 19.3757
YIQ	85.6840, 97.7810, 83.6770

Conversions

Conversions Part 2

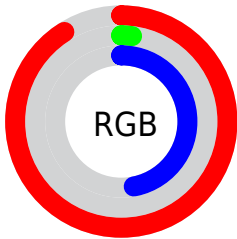
Format	Color
R_{YB}	231, 5, 120
Decimal	15140216
CIE _{Lab}	50.00, 78.43, 1.30
CIE _{LCh}	50, 78.445, 0.949
Yxy	18.4187, 0.4902, 0.2484
Android (android.graphics.Color)	4293330296 (0xFFE70578)
YUV	85.6840, 16.9178, 127.4421
Hunter-Lab	42.9170, 76.0632, 3.2743

Details

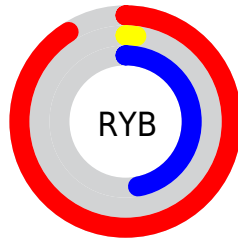
The CIELCh color **50, 78.445, 0.949** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **81, 83.061, 148.748**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 68.042, 352.592**, and **36, 62.086, 8.774** is the 20% darker color. If you saturate the color by 10%, you get **50, 78.643, 1.751**, and if you desaturate by 10%, it is **51, 77.014, 357.141**.

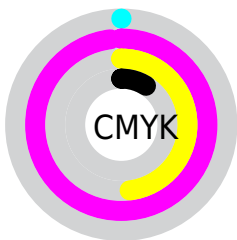
Distribution



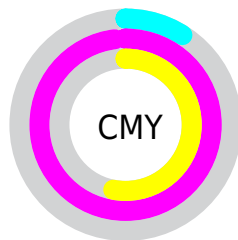
- Red (91%)
- Green (2%)
- Blue (47%)



- Red (91%)
- Yellow (2%)
- Blue (47%)



- Cyan (0%)
- Magenta (98%)
- Yellow (48%)
- Black (9%)








- Cyan (9%)
- Magenta (98%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 78.445, 0.949 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, 78.445, 0.949 by changing the saturation by 10% instead.

 50, 78.445, 0.949	 50, 78.445, 0.949
 100, 78.445, 0.949	 40, 78.445, 0.949
 70, 78.445, 0.949	 30, 78.445, 0.949
 80, 78.445, 0.949	 20, 78.445, 0.949
 90, 78.445, 0.949	 10, 78.445, 0.949
	 0, 78.445, 0.949

 50, 78.445, 0.949	 50, 78.445, 0.949
 50, 78.643, 1.751	 51, 77.014, 357.141
	 53, 73.443, 354.094

■ 56, 67.569,
351.688

■ 60, 59.727,
349.760

■ 65, 50.450,
348.179

■ 70, 40.282,
346.847

■ 75, 29.673,
345.697

■ 81, 18.955,
344.679

■ 87, 8.346, 343.746

Harmonies

Complementary

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



50, 78.445, 0.949



81, 83.061, 148.748

Rectangle

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



50, 78.445, 0.949



50, 78.445, 50.949



50, 78.445, 180.949



50, 78.445, 230.949

Sweetspot

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



50, 78.441, 0.950



82, 33.302, 345.820



37, 115.482, 311.482



41, 22.868, 346.302



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, 78.441, 0.950



55, 84.747, 2.009



48, 95.307, 39.057



45, 5.891, 343.878



38, 64.970, 0.974



7, 27.709, 354.206

Inverse Universe

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



50, 78.441, 0.950



55, 84.747, 2.009



83, 46.959, 193.876



45, 5.891, 343.878



38, 64.970, 0.974



7, 27.709, 354.206

Previews

White Background



This preview shows how the CIELCh color 50, 78.445, 0.949 looks on a white background.

Color Contrast Check

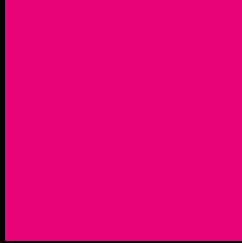
Large Text (above 18pt) WCAG AA ✓ Pass

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, 78.445, 0.949 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, 78.445, 0.949

Background



This preview shows how black text looks on a background with the CIELCh color 50, 78.445, 0.949.



This preview shows how white text looks on a background with the CIELCh color 50, 78.445, 0.949.

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, 78.445, 0.949

Protanopia

51, 31.694, 284.895

Deuteranopia

51, 9.160, 42.511



Tritanopia
50, 80.099, 33.668

Trichromacy



Original Color
50, 78.445, 0.949



Protanomaly
44, 51.115, 325.032



Deuteranomaly
45, 43.283, 355.774



Tritanomaly
50, 77.125, 21.754

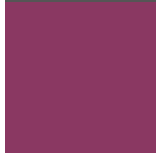
Monochromacy



Original Color
50, 78.445, 0.949



Achromatopsia
36, 0.005, 296.813



Achromatomaly
36, 40.359, 349.458

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 78.445, 0.949 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(231, 5, 120)` looks like.

```
.text, #text, p{  
    color:rgb(231, 5, 120)  
}
```

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(231, 5, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 5, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 78.445, 0.949 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(231, 5, 120) }
```

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

```
.border{ border-color:rgb(231, 5, 120) }
```

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

Here you see how a box with a 4 pixel rgb(231, 5, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 5, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 5, 120);  
box-shadow:4px 4px 4px 4px rgb(231, 5,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 78.445, 0.949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 5, 120) }
```

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

```
.background{ background-color: rgb(231, 5,  
120) }
```

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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