

Converting Colors

CIELCh(50, 76.978, 1.766)

Have a look what the booklet for
CIELCh(50, 76.978, 1.766) contains.

CIELCh(50, 76.856, 1.730)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(50, 76.856, 1.730)

Conversions

Conversions Part 1

Format	Color
Hex	E51276
RGB	229, 18, 118
RGB Percent	90%, 7%, 46%
CMY	0.1012, 0.9312, 0.5366
CMYK	0.00, 0.92, 0.48, 0.10
HSL	331°, 86%, 48%
HSV	331°, 92%, 90%
XYZ	35.8629, 18.4187, 18.8529
YIQ	92.4890, 93.6560, 75.8320

Conversions

Conversions Part 2

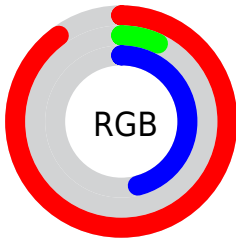
Format	Color
R_{YB}	229, 18, 118
Decimal	15012470
CIE _{Lab}	50.00, 76.82, 2.32
CIE _{LCh}	50, 76.856, 1.730
Yxy	18.4187, 0.4904, 0.2518
Android (android.graphics.Color)	4293202550 (0xFFE51276)
YUV	92.4890, 12.5769, 119.7201
Hunter-Lab	42.9170, 74.0562, 3.9965

Details

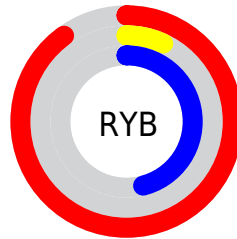
The CIELCh color **50, 76.856, 1.730** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **81, 77.000, 151.814**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 66.402, 353.903**, and **35, 61.576, 9.387** is the 20% darker color. If you saturate the color by 10%, you get **49, 77.914, 5.058**, and if you desaturate by 10%, it is **52, 74.056, 358.045**.

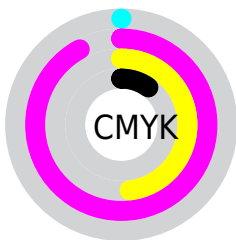
Distribution



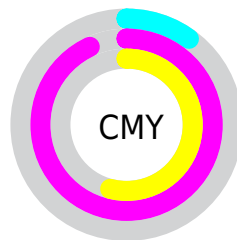
- Red (90%)
- Green (7%)
- Blue (46%)



- Red (90%)
- Yellow (7%)
- Blue (46%)



- Cyan (0%)
- Magenta (92%)
- Yellow (48%)
- Black (10%)



- Cyan (10%)
- Magenta (93%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 76.856, 1.730 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, 76.856, 1.730 by changing the saturation by 10% instead.

 50, 76.856, 1.730

 50, 76.856, 1.730

 100, 76.856, 1.730

 40, 76.856, 1.730

 70, 76.856, 1.730

 30, 76.856, 1.730

 80, 76.856, 1.730

 20, 76.856, 1.730

 90, 76.856, 1.730


 10, 76.856, 1.730

 0, 76.856, 1.730

 50, 76.856, 1.730

 50, 76.856, 1.730

 49, 77.914, 5.058

 52, 74.056,
358.045

 54, 69.057,
355.136

■ 58, 62.008,
352.836

■ 62, 53.367,
350.985

■ 67, 43.674,
349.457

■ 72, 33.413,
348.164

■ 78, 22.953,
347.041

■ 84, 12.548,
346.040

■ 90, 2.355, 345.000

Harmonies

Complementary

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



50, 76.856, 1.730



81, 77.000, 151.814

Rectangle

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



50, 76.856, 1.730



50, 76.856, 51.730



50, 76.856, 181.730



50, 76.856, 231.730

Sweetspot

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



50, 76.852, 1.731



82, 31.488, 347.676



39, 111.554, 312.624



41, 21.774, 348.183



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, 76.852, 1.731



55, 84.447, 5.360



49, 92.042, 38.449



45, 5.758, 345.764



38, 64.664, 4.232



7, 27.387, 356.819

Inverse Universe

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



50, 76.852, 1.731



55, 84.447, 5.360



82, 44.765, 198.893



45, 5.758, 345.764



38, 64.664, 4.232



7, 27.387, 356.819

Previews

White Background



This preview shows how the CIELCh color 50, 76.856, 1.730 looks on a white background.

Color Contrast Check

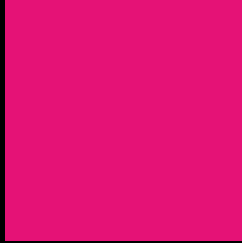
Large Text (above 18pt) WCAG AA ✓ Pass

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, 76.856, 1.730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

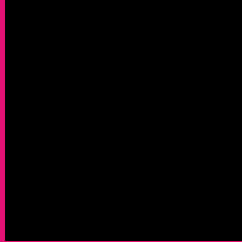
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 76.856, 1.730

Background



This preview shows how black text looks on a background with the CIELCh color 50, 76.856, 1.730.



This preview shows how white text looks on a background with the CIELCh color 50, 76.856, 1.730.

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, 76.747, 1.774

Protanopia

50, 29.958, 285.249

Deuteranopia

50, 9.426, 45.672



Tritanopia
50, 79.011, 33.131

Trichromacy



Original Color
50, 76.747, 1.774



Protanomaly
45, 47.397, 326.399



Deuteranomaly
46, 40.402, 359.080



Tritanomaly
50, 75.672, 21.919

Monochromacy



Original Color
50, 76.747, 1.774



Achromatopsia
39, 0.006, 296.813



Achromatomaly
39, 37.524, 350.658

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 76.856, 1.730 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, 18, 118)` looks like.

```
.text, #text, p{  
    color:rgb(229, 18, 118)  
}
```

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, 18, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 18, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 76.856, 1.730 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, 18, 118) }
```

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

```
.border{ border-color:rgb(229, 18, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 18, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 18, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 18, 118);  
box-shadow:4px 4px 4px 4px rgb(229, 18,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 76.856, 1.730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 18, 118) }
```

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

```
.background{ background-color: rgb(229, 18,  
118) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor