

Converting Colors

CIELCh(48, 78.699, 0.498)

Have a look what the booklet for
CIELCh(48, 78.699, 0.498) contains.

CIELCh(49, 77.225, 1.112)	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(49, 77.225, 1.112)

Conversions

Conversions Part 1

Format	Color
Hex	E20575
RGB	226, 5, 117
RGB Percent	89%, 2%, 46%
CMY	0.1127, 0.9822, 0.5411
CMYK	0.00, 0.98, 0.48, 0.11
HSL	330°, 96%, 45%
HSV	330°, 98%, 89%
XYZ	34.7080, 17.5941, 18.3986
YIQ	83.8470, 95.7640, 81.6840

Conversions

Conversions Part 2

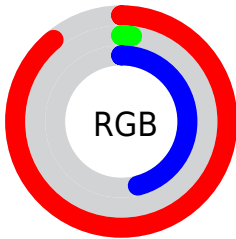
Format	Color
R_{YB}	226, 5, 117
Decimal	14812533
CIE Lab	49.00, 77.21, 1.50
CIE LCh	49, 77.225, 1.112
Yxy	17.5941, 0.4909, 0.2489
Android (android.graphics.Color)	4293002613 (0xFFE20575)
YUV	83.8470, 16.3444, 124.6682
Hunter-Lab	41.9453, 74.2972, 3.3551

Details

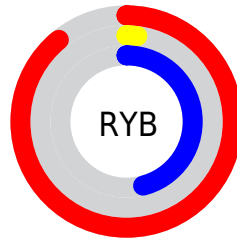
The CIELCh color **49, 77.225, 1.112** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **79, 81.545, 148.900**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 67.943, 353.737**, and **35, 60.745, 9.156** is the 20% darker color. If you saturate the color by 10%, you get **49, 77.435, 1.927**, and if you desaturate by 10%, it is **50, 75.769, 357.296**.

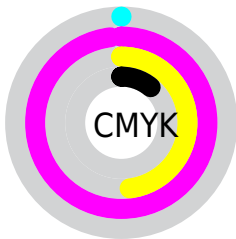
Distribution



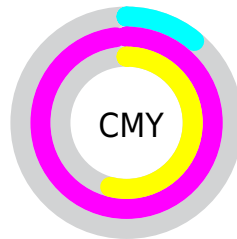
- Red (89%)
- Green (2%)
- Blue (46%)



- Red (89%)
- Yellow (2%)
- Blue (46%)



- Cyan (0%)
- Magenta (98%)
- Yellow (48%)
- Black (11%)




- Cyan (11%)
- Magenta (98%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 77.225, 1.112 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 49, 77.225, 1.112 by changing the saturation by 10% instead.

 49, 77.225, 1.112  49, 77.225, 1.112


 100, 77.225, 1.112  39, 77.225, 1.112



 69, 77.225, 1.112  29, 77.225, 1.112


 79, 77.225, 1.112  19, 77.225, 1.112

 89, 77.225, 1.112  9, 77.225, 1.112

 99, 77.225, 1.112  0, 77.225, 1.112

 49, 77.225, 1.112  49, 77.225, 1.112

 49, 77.435, 1.927  50, 75.769,
357.296

 52, 72.216,
354.242

■ 55, 66.408,
351.829

■ 59, 58.677,
349.896

■ 63, 49.545,
348.312

■ 68, 39.545,
346.977

■ 74, 29.118,
345.825

■ 79, 18.588,
344.805

■ 85, 8.167, 343.871

Harmonies

Complementary

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



49, 77.225, 1.112



79, 81.545, 148.900

Rectangle

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



49, 77.225, 1.112



49, 77.225, 51.112



49, 77.225, 181.112



49, 77.225, 231.112

Sweetspot

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



49, 77.221, 1.113



82, 33.253, 345.955



36, 113.701, 311.494



41, 22.836, 346.439



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



49, 77.221, 1.113



55, 84.715, 2.241



47, 93.817, 39.027



44, 5.774, 344.005



38, 64.258, 1.150



6, 26.505, 354.193

Inverse Universe

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



49, 77.221, 1.113



55, 84.715, 2.241



82, 46.247, 193.879



44, 5.774, 344.005



38, 64.258, 1.150



6, 26.505, 354.193

Previews

White Background



This preview shows how the CIELCh color 49, 77.225, 1.112 looks on a white background.

Color Contrast Check

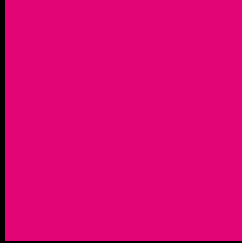
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 49, 77.225, 1.112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

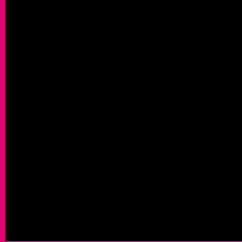
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 77.225, 1.112

Background



This preview shows how black text looks on a background with the CIELCh color 49, 77.225, 1.112.



This preview shows how white text looks on a background with the CIELCh color 49, 77.225, 1.112.

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

49, 77.125, 1.069

Protanopia

50, 31.221, 285.304

Deuteranopia

50, 8.794, 43.543



Tritanopia
49, 79.021, 33.663

Trichromacy



Original Color
49, 77.125, 1.069



Protanomaly
43, 50.264, 325.782



Deuteranomaly
45, 42.334, 356.608



Tritanomaly
49, 76.088, 22.068

Monochromacy



Original Color
49, 77.125, 1.069



Achromatopsia
36, 0.005, 296.813



Achromatomaly
36, 39.848, 349.851

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 77.225, 1.112 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(226, 5, 117)` looks like.

```
.text, #text, p{  
    color:rgb(226, 5, 117)  
}
```

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(226, 5, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 5, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 77.225, 1.112 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(226, 5, 117) }
```

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

```
.border{ border-color:rgb(226, 5, 117) }
```

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

Here you see how a box with a 4 pixel rgb(226, 5, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 5, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 5, 117);  
box-shadow:4px 4px 4px 4px rgb(226, 5,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 77.225, 1.112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 5, 117) }
```

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

```
.background{ background-color: rgb(226, 5,  
117) }
```

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