

Converting Colors

CIELCh(49, 77.247, 0.559)

Have a look what the booklet for
CIELCh(49, 77.247, 0.559) contains.

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Color

CIELCh(49, 77.194, 0.645)

Conversions

Conversions Part 1

Format	Color
Hex	E20576
RGB	226, 5, 118
RGB Percent	89%, 2%, 46%
CMY	0.1136, 0.9797, 0.5372
CMYK	0.00, 0.98, 0.48, 0.11
HSL	329°, 96%, 45%
HSV	329°, 98%, 89%
XYZ	34.7018, 17.5941, 18.7148
YIQ	83.9610, 95.4430, 81.9950

Conversions

Conversions Part 2

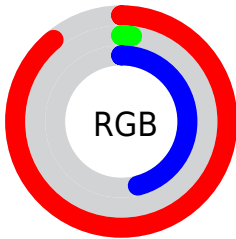
Format	Color
RYB	226, 5, 118
Decimal	14812534
CIELab	49.00, 77.19, 0.87
CIElCh	49, 77.194, 0.645
Yxy	17.5941, 0.4887, 0.2478
Android (android.graphics.Color)	4293002614 (0xFFE20576)
YUV	83.9610, 16.7812, 124.5682
Hunter-Lab	41.9453, 74.2708, 2.9082

Details

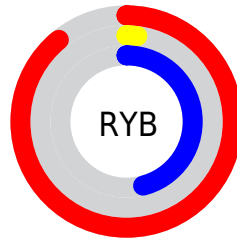
The CIELCh color **49, 77.194, 0.645** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **79, 81.653, 148.780**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 68.114, 353.306**, and **35, 60.716, 8.568** is the 20% darker color. If you saturate the color by 10%, you get **49, 77.425, 1.564**, and if you desaturate by 10%, it is **50, 75.726, 356.886**.

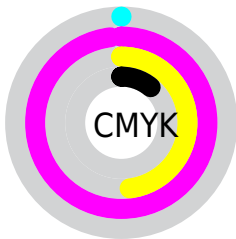
Distribution



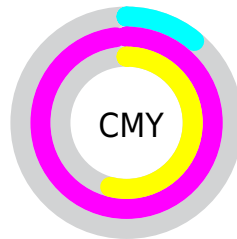
- Red (89%)
- Green (2%)
- Blue (46%)



- 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, 77.194, 0.645 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, 77.194, 0.645 by changing the saturation by 10% instead.

 49, 77.194, 0.645  49, 77.194, 0.645

 100, 77.194, 0.645  39, 77.194, 0.645



 69, 77.194, 0.645  29, 77.194, 0.645


 79, 77.194, 0.645  19, 77.194, 0.645

 89, 77.194, 0.645  9, 77.194, 0.645

 99, 77.194, 0.645  0, 77.194, 0.645

 49, 77.194, 0.645  49, 77.194, 0.645

 49, 77.425, 1.564  50, 75.726,
356.886

 52, 72.127,
353.885

■ 55, 66.269,
351.511

■ 59, 58.495,
349.608

■ 64, 49.331,
348.045

■ 68, 39.308,
346.726

■ 74, 28.865,
345.584

■ 79, 18.322,
344.573

■ 85, 7.891, 343.644

Harmonies

Complementary

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



49, 77.194, 0.645



79, 81.653, 148.780

Rectangle

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



49, 77.194, 0.645



49, 77.194, 50.645



49, 77.194, 180.645



49, 77.194, 230.645

Sweetspot

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



49, 77.190, 0.646



82, 33.329, 345.744



36, 113.490, 311.512



41, 22.887, 346.225



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, 77.190, 0.646



55, 84.765, 1.878



47, 93.603, 38.967



44, 5.788, 343.803



38, 64.304, 0.798



6, 26.544, 353.912

Inverse Universe

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



49, 77.190, 0.646



55, 84.765, 1.878



82, 46.193, 193.887



44, 5.788, 343.803



38, 64.304, 0.798



6, 26.544, 353.912

Previews

White Background



This preview shows how the CIELCh color 49, 77.194, 0.645 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, 77.194, 0.645 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, 77.194, 0.645

Background



This preview shows how black text looks on a background with the CIELCh color 49, 77.194, 0.645.



This preview shows how white text looks on a background with the CIELCh color 49, 77.194, 0.645.

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, 77.194, 0.645

Protanopia
50, 31.791, 285.566

Deuteranopia
50, 8.550, 40.069



Tritanopia
49, 79.021, 33.663

Trichromacy



Original Color
49, 77.194, 0.645



Protanomaly
44, 49.988, 324.963



Deuteranomaly
45, 42.500, 355.856



Tritanomaly
49, 75.915, 21.646

Monochromacy



Original Color
49, 77.194, 0.645



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, 77.194, 0.645 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, 118)` looks like.

```
.text, #text, p{  
    color:rgb(226, 5, 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(226, 5, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 5, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 77.194, 0.645 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, 118) }
```

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

```
.border{ border-color:rgb(226, 5, 118) }
```

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, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 5, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 5, 118);  
box-shadow:4px 4px 4px 4px rgb(226, 5,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 77.194, 0.645 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, 118) }
```

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

```
.background{ background-color: rgb(226, 5,  
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](#).

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