

Converting Colors

CIELCh(49, 78.116, 9.988)

Have a look what the booklet for
CIELCh(49, 78.116, 9.988) contains.

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Color

CIELCh(49, 77.964, 9.722)

Conversions

Conversions Part 1

Format	Color
Hex	E50162
RGB	229, 1, 98
RGB Percent	90%, 0%, 38%
CMY	0.1011, 0.9969, 0.6151
CMYK	0.00, 1.00, 0.57, 0.10
HSL	334°, 99%, 45%
HSV	334°, 100%, 90%
XYZ	34.6014, 17.5941, 13.1675
YIQ	80.2300, 104.7510, 78.5030

Conversions

Conversions Part 2

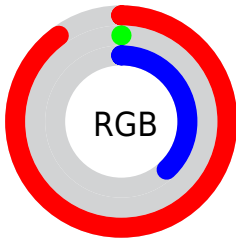
Format	Color
RYB	229, 1, 98
Decimal	15008098
CIELab	49.00, 76.84, 13.17
CIELCh	49, 77.964, 9.722
Yxy	17.5941, 0.5294, 0.2692
Android (android.graphics.Color)	4293198178 (0xFFE50162)
YUV	80.2300, 8.7606, 130.4713
Hunter-Lab	41.9453, 73.8437, 10.7493

Details

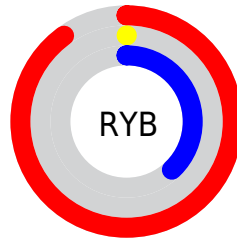
The CIELCh color **49, 77.964, 9.722** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed rose. A complement of this color would be **81, 76.209, 152.900**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 65.846, 3.113**, and **35, 63.049, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **49, 78.033, 9.890**, and if you desaturate by 10%, it is **50, 75.823, 5.009**.

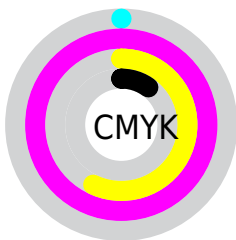
Distribution



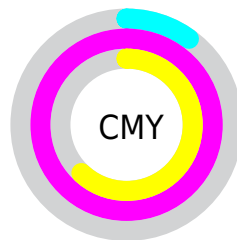
- Red (90%)
- Green (0%)
- Blue (38%)



- Red (90%)
- Yellow (0%)
- Blue (38%)



- Cyan (0%)
- Magenta (100%)
- Yellow (57%)
- Black (10%)




- Cyan (10%)
- Magenta (100%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 77.964, 9.722 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, 77.964, 9.722 by changing the saturation by 10% instead.

 49, 77.964, 9.722  49, 77.964, 9.722

 100, 77.964, 9.722  39, 77.964, 9.722

 69, 77.964, 9.722  29, 77.964, 9.722

 79, 77.964, 9.722  19, 77.964, 9.722

 89, 77.964, 9.722  9, 77.964, 9.722

 99, 77.964, 9.722  0, 77.964, 9.722

 49, 77.964, 9.722  49, 77.964, 9.722

 49, 78.033, 9.890  50, 75.823, 5.009

 52, 72.064, 1.137

 55, 66.267,

358.086

■ 59, 58.658,
355.678

■ 63, 49.710,
353.747

■ 68, 39.938,
352.160

■ 74, 29.779,
350.824

■ 79, 19.556,
349.670

■ 85, 9.479, 348.640

Harmonies

Complementary

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



49, 77.964, 9.722



81, 76.209, 152.900

Rectangle

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



49, 77.964, 9.722



49, 77.964, 59.722



49, 77.964, 189.722



49, 77.964, 239.722

Sweetspot

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



49, 77.960, 9.724



81, 32.858, 350.889



39, 113.493, 313.388



40, 22.462, 351.434



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, 77.960, 9.724



54, 84.619, 10.222



48, 95.400, 40.492



45, 5.580, 348.621



38, 64.662, 8.978



7, 27.043, 0.454

Inverse Universe

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



49, 77.960, 9.724



54, 84.619, 10.222



78, 42.404, 207.861



45, 5.580, 348.621



38, 64.662, 8.978



7, 27.043, 0.454

Previews

White Background



This preview shows how the CIELCh color 49, 77.964, 9.722 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, 77.964, 9.722 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, 77.964, 9.722

Background



This preview shows how black text looks on a background with the CIELCh color 49, 77.964, 9.722.

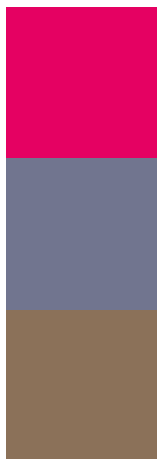


This preview shows how white text looks on a background with the CIELCh color 49, 77.964, 9.722.

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, 77.893, 9.759

Protanopia

50, 15.273, 286.664

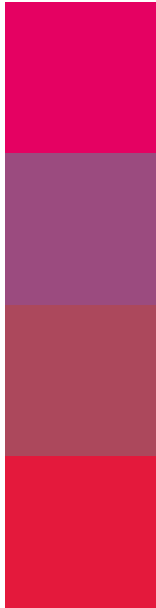
Deuteranopia

50, 18.401, 69.003



Tritanopia
49, 84.204, 35.392

Trichromacy



Original Color
49, 77.893, 9.759

Protanomaly
44, 42.408, 340.666

Deuteranomaly
44, 43.759, 11.994

Tritanomaly
49, 80.785, 26.610

Monochromacy



Original Color
49, 77.893, 9.759

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 39.448, 355.122

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 77.964, 9.722 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, 1, 98)` looks like.

```
.text, #text, p{  
    color:rgb(229, 1, 98)  
}
```

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, 1, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 1, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 77.964, 9.722 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, 1, 98) }
```

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

```
.border{ border-color:rgb(229, 1, 98) }
```

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

Here you see how a box with a 4 pixel rgb(229, 1, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 1, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 1, 98);  
box-shadow:4px 4px 4px 4px rgb(229, 1, 98)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 49, 77.964, 9.722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 1, 98) }
```

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

```
.background{ background-color: rgb(229, 1,  
98) }
```

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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