

Converting Colors

CIELCh(49, 76.507, 3.590)

Have a look what the booklet for
CIELCh(49, 76.507, 3.590) contains.

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Color

CIELCh(49, 76.477, 3.369)

Conversions

Conversions Part 1

Format	Color
Hex	E20B70
RGB	226, 11, 112
RGB Percent	89%, 4%, 44%
CMY	0.1131, 0.9585, 0.5603
CMYK	0.00, 0.95, 0.50, 0.11
HSL	332°, 91%, 46%
HSV	332°, 95%, 89%
XYZ	34.4564, 17.5941, 16.9434
YIQ	86.7990, 95.7190, 76.9910

Conversions

Conversions Part 2

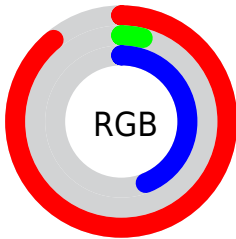
Format	Color
R_{YB}	226, 11, 112
Decimal	14814064
CIE _{Lab}	49.00, 76.34, 4.49
CIE _{LCh}	49, 76.477, 3.369
Yxy	17.5941, 0.4994, 0.2550
Android (android.graphics.Color)	4293004144 (0xFFE20B70)
YUV	86.7990, 12.4241, 122.0793
Hunter-Lab	41.9453, 73.2266, 5.4121

Details

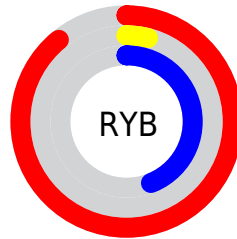
The CIELCh color **49, 76.477, 3.369** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **80, 77.256, 151.378**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 66.600, 356.541**, and **35, 60.935, 11.506** is the 20% darker color. If you saturate the color by 10%, you get **49, 77.118, 5.443**, and if you desaturate by 10%, it is **50, 74.262, 359.393**.

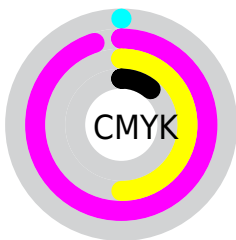
Distribution



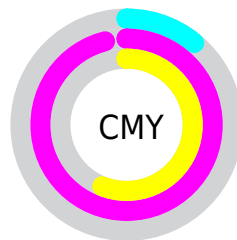
- Red (89%)
- Green (4%)
- Blue (44%)



- Red (89%)
- Yellow (4%)
- Blue (44%)



- Cyan (0%)
- Magenta (95%)
- Yellow (50%)
- Black (11%)



- Cyan (11%)
- Magenta (96%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 76.477, 3.369 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, 76.477, 3.369 by changing the saturation by 10% instead.

 49, 76.477, 3.369  49, 76.477, 3.369

 100, 76.477, 3.369  39, 76.477, 3.369



 69, 76.477, 3.369  29, 76.477, 3.369


 79, 76.477, 3.369  19, 76.477, 3.369

 89, 76.477, 3.369  9, 76.477, 3.369

 99, 76.477, 3.369  0, 76.477, 3.369

 49, 76.477, 3.369  49, 76.477, 3.369

 49, 77.118, 5.443  50, 74.262,
359.393

 53, 69.933,
356.243

■ 56, 63.506,
353.760

■ 60, 55.365,
351.774

■ 65, 46.036,
350.149

■ 70, 36.023,
348.786

■ 75, 25.723,
347.611

■ 81, 15.418,
346.574

■ 87, 5.289, 345.605

Harmonies

Complementary

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



49, 76.477, 3.369



80, 77.256, 151.378

Rectangle

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



49, 76.477, 3.369



49, 76.477, 53.369



49, 76.477, 183.369



49, 76.477, 233.369

Sweetspot

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



49, 76.473, 3.370



81, 32.547, 348.047



38, 111.776, 312.442



41, 22.364, 348.557



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, 76.473, 3.370



55, 84.433, 5.788



48, 92.845, 39.102



44, 5.637, 346.007



38, 63.959, 4.595



6, 26.163, 356.857

Inverse Universe

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



49, 76.473, 3.370



55, 84.433, 5.788



81, 44.481, 198.950



44, 5.637, 346.007



38, 63.959, 4.595



6, 26.163, 356.857

Previews

White Background



This preview shows how the CIELCh color 49, 76.477, 3.369 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, 76.477, 3.369 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, 76.477, 3.369

Background



This preview shows how black text looks on a background with the CIELCh color 49, 76.477, 3.369.



This preview shows how white text looks on a background with the CIELCh color 49, 76.477, 3.369.

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, 76.399, 3.402

Protanopia

50, 27.111, 285.199

Deuteranopia

49, 11.185, 51.545



Tritanopia
49, 79.898, 33.988

Trichromacy



Original Color
49, 76.399, 3.402



Protanomaly
44, 45.861, 328.566



Deuteranomaly
45, 40.997, 1.592



Tritanomaly
49, 76.634, 23.318

Monochromacy



Original Color
49, 76.399, 3.402



Achromatopsia
37, 0.005, 296.813



Achromatomaly
37, 38.272, 351.926

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 76.477, 3.369 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, 11, 112)` looks like.

```
.text, #text, p{  
    color:rgb(226, 11, 112)  
}
```

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, 11, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 11, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 76.477, 3.369 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, 11, 112) }
```

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

```
.border{ border-color:rgb(226, 11, 112) }
```

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

Here you see how a box with a 4 pixel rgb(226, 11, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 11, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 11, 112);  
box-shadow:4px 4px 4px 4px rgb(226, 11,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 76.477, 3.369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 11, 112) }
```

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

```
.background{ background-color: rgb(226, 11,  
112) }
```

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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