

Converting Colors

CIELCh(49, 77.132, 4.339)

Have a look what the booklet for
CIELCh(49, 77.132, 4.339) contains.

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Color

CIELCh(49, 77.102, 4.260)

Conversions

Conversions Part 1

Format	Color
Hex	E3056E
RGB	227, 5, 110
RGB Percent	89%, 2%, 43%
CMY	0.1090, 0.9814, 0.5680
CMYK	0.00, 0.98, 0.52, 0.11
HSL	332°, 96%, 45%
HSV	332°, 98%, 89%
XYZ	34.6144, 17.5941, 16.3674
YIQ	83.3480, 98.6070, 79.7190

Conversions

Conversions Part 2

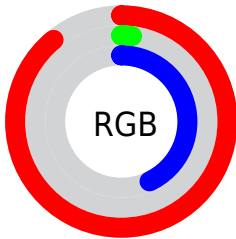
Format	Color
R_{YB}	227, 5, 110
Decimal	14878062
CIE _{Lab}	49.00, 76.89, 5.73
CIE _{LCh}	49, 77.102, 4.260
Yxy	17.5941, 0.5048, 0.2566
Android (android.graphics.Color)	4293068142 (0xFFE3056E)
YUV	83.3480, 13.1394, 125.9828
Hunter-Lab	41.9453, 73.8990, 6.2262

Details

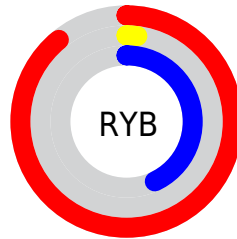
The CIELCh color **49, 77.102, 4.260** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **80, 78.965, 150.629**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 66.743, 357.275**, and **35, 61.384, 12.929** is the 20% darker color. If you saturate the color by 10%, you get **49, 77.396, 5.182**, and if you desaturate by 10%, it is **50, 75.338, 0.104**.

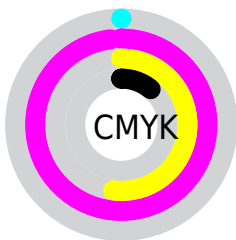
Distribution



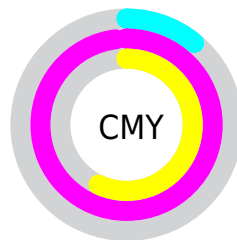
- Red (89%)
- Green (2%)
- Blue (43%)



- Red (89%)
- Yellow (2%)
- Blue (43%)



- Cyan (0%)
- Magenta (98%)
- Yellow (52%)
- Black (11%)



- Cyan (11%)
- Magenta (98%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 77.102, 4.260 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, 77.102, 4.260 by changing the saturation by 10% instead.



 49, 77.102, 4.260  49, 77.102, 4.260


 100, 77.102, 4.260  39, 77.102, 4.260

 69, 77.102, 4.260  29, 77.102, 4.260


 79, 77.102, 4.260  19, 77.102, 4.260

 89, 77.102, 4.260  9, 77.102, 4.260

 99, 77.102, 4.260  0, 77.102, 4.260

 49, 77.102, 4.260  49, 77.102, 4.260

 49, 77.396, 5.182  50, 75.338, 0.104

 52, 71.583,
356.775

■ 55, 65.662,
354.152

■ 59, 57.891,
352.064

■ 64, 48.782,
350.366

■ 69, 38.857,
348.949

■ 74, 28.549,
347.735

■ 80, 18.171,
346.671

■ 86, 7.928, 345.702

Harmonies

Complementary

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



49, 77.102, 4.260



80, 78.965, 150.629

Rectangle

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



49, 77.102, 4.260



49, 77.102, 54.260



49, 77.102, 184.260



49, 77.102, 234.260

Sweetspot

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



49, 77.098, 4.261



81, 32.600, 347.881



37, 113.230, 312.264



41, 22.400, 348.390



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, 77.098, 4.261



55, 84.441, 5.510



48, 94.503, 39.647



45, 5.753, 345.850



38, 64.656, 4.379



7, 27.374, 356.936

Inverse Universe

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



49, 77.098, 4.261



55, 84.441, 5.510



81, 44.751, 199.005



45, 5.753, 345.850



38, 64.656, 4.379



7, 27.374, 356.936

Previews

White Background



This preview shows how the CIELCh color 49, 77.102, 4.260 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, 77.102, 4.260 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, 77.102, 4.260

Background



This preview shows how black text looks on a background with the CIELCh color 49, 77.102, 4.260.



This preview shows how white text looks on a background with the CIELCh color 49, 77.102, 4.260.

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, 77.027, 4.293

Protanopia

50, 24.745, 284.695

Deuteranopia

50, 11.910, 59.419



Tritanopia
49, 80.709, 34.191

Trichromacy



Original Color
49, 77.027, 4.293

Protanomaly
44, 46.127, 330.808

Deuteranomaly
45, 42.135, 2.682

Tritanomaly
49, 77.455, 23.631

Monochromacy



Original Color
49, 77.027, 4.293

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 38.868, 351.818

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 77.102, 4.260 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(227, 5, 110)` looks like.

```
.text, #text, p{  
    color:rgb(227, 5, 110)  
}
```

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(227, 5, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 5, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 77.102, 4.260 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(227, 5, 110) }
```

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

```
.border{ border-color:rgb(227, 5, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 5, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 5, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 5, 110);  
box-shadow:4px 4px 4px 4px rgb(227, 5,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 77.102, 4.260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 5, 110) }
```

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

```
.background{ background-color: rgb(227, 5,  
110) }
```

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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