

Converting Colors

CIELCh(49, 77.947, 359.852)

Have a look what the booklet for
CIELCh(49, 77.947, 359.852)
contains.

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Color

CIELCh(49, 77.952, 359.890)

Conversions

Conversions Part 1

Format	Color
Hex	E30078
RGB	227, 0, 120
RGB Percent	89%, 0%, 47%
CMY	0.1112, 1.0000, 0.5305
CMYK	0.00, 1.00, 0.47, 0.11
HSL	328°, 100%, 44%
HSV	328°, 100%, 89%
XYZ	34.9245, 17.5941, 19.2338
YIQ	81.5530, 96.7720, 85.4440

Conversions

Conversions Part 2

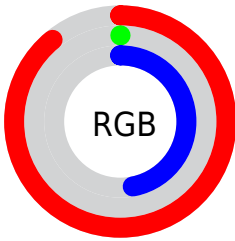
Format	Color
R_{YB}	227, 0, 120
Decimal	14876792
CIE Lab	49.00, 77.95, -0.15
CIE LCh	49, 77.952, 359.890
Yxy	17.5941, 0.4867, 0.2452
Android (android.graphics.Color)	4293066872 (0xFFE30078)
YUV	81.5530, 18.9544, 127.5570
Hunter-Lab	41.9453, 75.2184, 2.1746

Details

The CIELCh color **49, 77.952, 359.890** 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, 84.390, 147.445**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 68.891, 352.318**, and **35, 60.960, 7.675** is the 20% darker color. If you saturate the color by 10%, you get **49, 77.852, 359.926**, and if you desaturate by 10%, it is **50, 76.794, 356.225**.

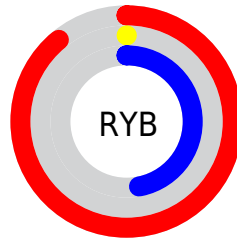
Distribution



Red (89%)

Green (0%)

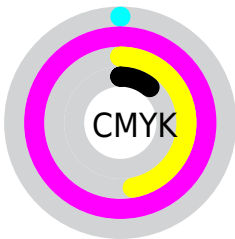
Blue (47%)



Red (89%)

Yellow (0%)

Blue (47%)

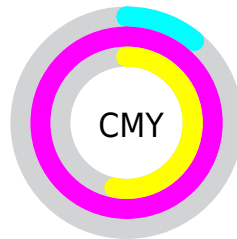


Cyan (0%)

Magenta (100%)

Yellow (47%)

Black (11%)



Cyan (11%)

Magenta (100%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 77.952, 359.890 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, 77.952, 359.890 by changing the saturation by 10% instead.

 49, 77.952,
359.890


 49, 77.952,
359.890


 100, 77.952,
359.890

 39, 77.952,
359.890

 69, 77.952,
359.890


 29, 77.952,
359.890

 79, 77.952,
359.890

 19, 77.952,
359.890

 89, 77.952,
359.890

 9, 77.952, 359.890

 99, 77.952,
359.890

 0, 77.952, 359.890

 49, 77.952,

 49, 77.952,

359.890

359.890

■ 49, 77.852,
359.926

■ 50, 76.794,
356.225

■ 52, 73.797,
353.208

■ 55, 68.461,
350.821

■ 58, 61.063,
348.909

■ 63, 52.113,
347.340

■ 68, 42.160,
346.017

■ 73, 31.674,
344.873

■ 78, 21.009,
343.861

■ 84, 10.404,
342.939

Harmonies

Complementary

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



49, 77.952, 359.890



80, 84.390, 147.445

Rectangle

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



49, 77.952, 359.890



49, 77.952, 49.890



49, 77.952, 179.890



49, 77.952, 229.890

Sweetspot

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



49, 77.852, 359.926



81, 34.854, 344.894



35, 115.136, 311.018



41, 23.784, 345.362



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, 77.852, 359.926



55, 85.050, 0.218



47, 94.305, 38.952



44, 5.856, 342.889



38, 64.553, 359.190



6, 26.737, 352.631

Inverse Universe

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



49, 77.852, 359.926



55, 85.050, 0.218



82, 47.089, 191.334



44, 5.856, 342.889



38, 64.553, 359.190



6, 26.737, 352.631

Previews

White Background



This preview shows how the CIELCh color 49, 77.952, 359.890 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, 77.952, 359.890 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, 77.952, 359.890

Background



This preview shows how black text looks on a background with the CIELCh color 49, 77.952, 359.890.

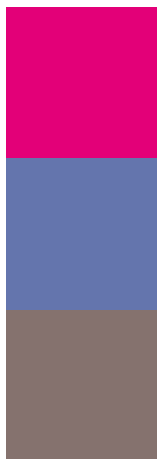


This preview shows how white text looks on a background with the CIELCh color 49, 77.952, 359.890.

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, 77.952, 359.890

Protanopia

50, 32.956, 285.003

Deuteranopia

50, 8.341, 36.402



Tritanopia
50, 78.578, 33.501

Trichromacy



Original Color
49, 77.952, 359.890



Protanomaly
43, 52.604, 324.034



Deuteranomaly
45, 43.375, 354.072



Tritanomaly
49, 75.892, 21.112

Monochromacy



Original Color
49, 77.952, 359.890



Achromatopsia
34, 0.005, 296.813



Achromatomaly
35, 40.647, 348.949

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 77.952, 359.890 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, 0, 120)` looks like.

```
.text, #text, p{  
    color:rgb(227, 0, 120)  
}
```

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, 0, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 0, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 77.952, 359.890 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, 0, 120) }
```

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

```
.border{ border-color:rgb(227, 0, 120) }
```

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

Here you see how a box with a 4 pixel rgb(227, 0, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 0, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 0, 120);  
box-shadow:4px 4px 4px 4px rgb(227, 0,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 77.952, 359.890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 0, 120) }
```

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

```
.background{ background-color: rgb(227, 0,  
120) }
```

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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