

Converting Colors

CIELCh(49, 78.153, 356.285)

Have a look what the booklet for
CIELCh(49, 78.153, 356.285)
contains.

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Color

CIELCh(49, 78.198, 356.174)

Conversions

Conversions Part 1

Format	Color
Hex	E10280
RGB	225, 2, 128
RGB Percent	88%, 1%, 50%
CMY	0.1179, 0.9928, 0.4982
CMYK	0.00, 0.99, 0.43, 0.12
HSL	326°, 98%, 44%
HSV	326°, 99%, 88%
XYZ	34.9455, 17.5941, 21.9593
YIQ	83.0410, 92.4620, 86.4620

Conversions

Conversions Part 2

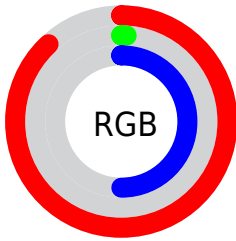
Format	Color
R_{YB}	225, 2, 128
Decimal	14746240
CIE _{Lab}	49.00, 78.02, -5.22
CIE _{LCh}	49, 78.198, 356.174
Yxy	17.5941, 0.4691, 0.2362
Android (android.graphics.Color)	4292936320 (0xFFE10280)
YUV	83.0410, 22.1648, 124.4980
Hunter-Lab	41.9453, 75.3078, -1.6779

Details

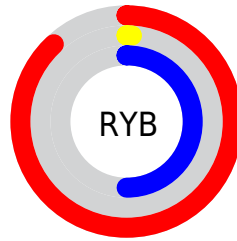
The CIELCh color **49, 78.198, 356.174** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **79, 86.525, 145.959**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 70.271, 348.759**, and **35, 60.545, 3.003** is the 20% darker color. If you saturate the color by 10%, you get **49, 78.246, 356.452**, and if you desaturate by 10%, it is **50, 77.273, 352.920**.

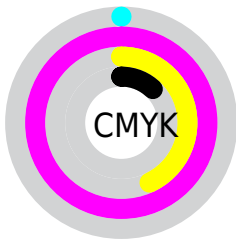
Distribution



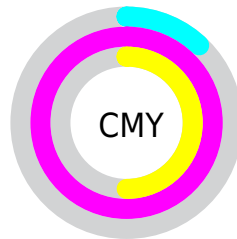
- Red (88%)
- Green (1%)
- Blue (50%)



- Red (88%)
- Yellow (1%)
- Blue (50%)



- Cyan (0%)
- Magenta (99%)
- Yellow (43%)
- Black (12%)



- Cyan (12%)
- Magenta (99%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 78.198, 356.174 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, 78.198, 356.174 by changing the saturation by 10% instead.


 49, 78.198,
356.174


 49, 78.198,
356.174

 100, 78.198,
356.174


 39, 78.198,
356.174

 69, 78.198,
356.174


 29, 78.198,
356.174

 79, 78.198,
356.174

 19, 78.198,
356.174

 89, 78.198,
356.174

 9, 78.198, 356.174

 99, 78.198,
356.174

 0, 78.198, 356.174

 49, 78.198,

 49, 78.198,

356.174

356.174

■ 49, 78.246,
356.452

■ 50, 77.273,
352.920

■ 52, 74.211,
350.286

■ 55, 68.748,
348.187

■ 58, 61.202,
346.486

■ 63, 52.099,
345.071

■ 68, 41.991,
343.861

■ 73, 31.347,
342.800

■ 78, 20.515,
341.849

Harmonies

Complementary

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



49, 78.198, 356.174



79, 86.525, 145.959

Rectangle

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



49, 78.198, 356.174



49, 78.198, 46.174



49, 78.198, 176.174



49, 78.198, 226.174

Sweetspot

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



49, 78.194, 356.175



81, 35.675, 342.903



34, 114.916, 310.388



41, 24.331, 343.343



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, 78.194, 356.175



55, 85.937, 356.730



47, 91.989, 37.627



44, 6.008, 340.995



38, 65.286, 355.815



7, 27.201, 349.968

Inverse Universe

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



49, 78.194, 356.175



55, 85.937, 356.730



81, 48.279, 186.639



44, 6.008, 340.995



38, 65.286, 355.815



7, 27.201, 349.968

Previews

White Background



This preview shows how the CIELCh color 49, 78.198, 356.174 looks on a white background.

Color Contrast Check

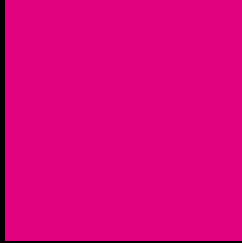
Large Text (above 18pt) WCAG AA ✓ Pass

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, 78.198, 356.174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

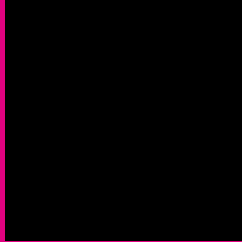
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 78.198, 356.174

Background



This preview shows how black text looks on a background with the CIELCh color 49, 78.198, 356.174.

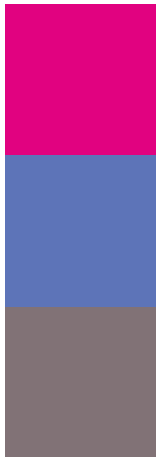


This preview shows how white text looks on a background with the CIELCh color 49, 78.198, 356.174.

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, 78.198, 356.174

Protanopia

50, 40.009, 285.494

Deuteranopia

50, 6.570, 359.338



Tritanopia
49, 76.200, 32.571

Trichromacy



Original Color
49, 78.198, 356.174



Protanomaly
43, 56.985, 319.321



Deuteranomaly
44, 44.316, 347.354



Tritanomaly
49, 74.008, 18.437

Monochromacy



Original Color
49, 78.198, 356.174



Achromatopsia
35, 0.005, 296.813



Achromatomaly
35, 41.425, 346.632

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 78.198, 356.174 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(225, 2, 128)` looks like.

```
.text, #text, p{  
    color:rgb(225, 2, 128)  
}
```

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(225, 2, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 2, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 78.198, 356.174 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(225, 2, 128) }
```

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

```
.border{ border-color:rgb(225, 2, 128) }
```

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

Here you see how a box with a 4 pixel rgb(225, 2, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 2, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 2, 128);  
box-shadow:4px 4px 4px 4px rgb(225, 2,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 78.198, 356.174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 2, 128) }
```

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

```
.background{ background-color: rgb(225, 2,  
128) }
```

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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