

Converting Colors

CIELCh(49, 78.151, 349.320)

Have a look what the booklet for
CIELCh(49, 78.151, 349.320)
contains.

CIELCh(49, 78.150, 349.452)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(49, 78.150, 349.452)

Conversions

Conversions Part 1

Format	Color
Hex	DC128F
RGB	220, 18, 143
RGB Percent	86%, 7%, 56%
CMY	0.1383, 0.9280, 0.4401
CMYK	0.00, 0.92, 0.35, 0.14
HSL	323°, 85%, 47%
HSV	323°, 92%, 86%
XYZ	34.5971, 17.5941, 27.4697
YIQ	92.6480, 80.2670, 81.6990

Conversions

Conversions Part 2

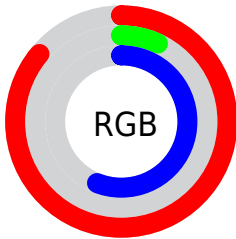
Format	Color
R_{YB}	220, 18, 143
Decimal	14422671
CIE _{Lab}	49.00, 76.83, -14.31
CIE _{LCh}	49, 78.150, 349.452
Yxy	17.5941, 0.4343, 0.2209
Android (android.graphics.Color)	4292612751 (0xFFDC128F)
YUV	92.6480, 24.8235, 111.6877
Hunter-Lab	41.9453, 73.8253, -9.4670

Details

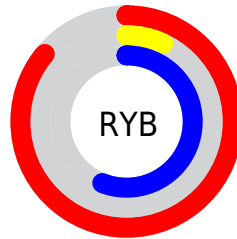
The CIELCh color **49, 78.150, 349.452** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark washed rose. A complement of this color would be **77, 84.932, 145.461**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 72.891, 343.031**, and **34, 61.120, 353.798** is the 20% darker color. If you saturate the color by 10%, you get **48, 78.584, 351.745**, and if you desaturate by 10%, it is **51, 75.791, 347.147**.

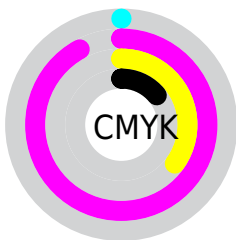
Distribution



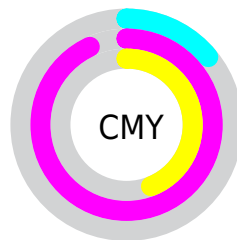
- Red (86%)
- Green (7%)
- Blue (56%)



- Red (86%)
- Yellow (7%)
- Blue (56%)



- Cyan (0%)
- Magenta (92%)
- Yellow (35%)
- Black (14%)



- Cyan (14%)
- Magenta (93%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 78.150, 349.452 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, 78.150, 349.452 by changing the saturation by 10% instead.

 49, 78.150,
349.452

 49, 78.150,
349.452

 100, 78.150,
349.452

 39, 78.150,
349.452

 69, 78.150,
349.452

 29, 78.150,
349.452

 79, 78.150,
349.452

 19, 78.150,
349.452

 89, 78.150,
349.452

 9, 78.150, 349.452

 99, 78.150,
349.452

 0, 78.150, 349.452

 49, 78.150,

 49, 78.150,

349.452

349.452

■ 48, 78.584,
351.745

■ 51, 75.791,
347.147

■ 53, 70.959,
345.290

■ 56, 63.900,
343.766

■ 61, 55.110,
342.482

■ 65, 45.145,
341.368

■ 70, 34.499,
340.379

■ 75, 23.556,
339.482

■ 81, 12.585,
338.652

Harmonies

Complementary

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



49, 78.150, 349.452



77, 84.932, 145.461

Rectangle

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



49, 78.150, 349.452



49, 78.150, 39.452



49, 78.150, 169.452



49, 78.150, 219.452

Sweetspot

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



49, 78.146, 349.453



83, 33.220, 339.973



34, 110.514, 309.481



42, 22.386, 340.288



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, 78.146, 349.453



56, 87.800, 352.020



47, 82.047, 30.658



43, 6.116, 338.474



38, 66.048, 351.232



6, 26.611, 346.267

Inverse Universe

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



49, 78.146, 349.453



56, 87.800, 352.020



79, 50.008, 179.190



43, 6.116, 338.474



38, 66.048, 351.232



6, 26.611, 346.267

Previews

White Background



This preview shows how the CIELCh color 49, 78.150, 349.452 looks on a white background.

Color Contrast Check

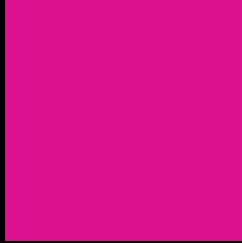
Large Text (above 18pt) WCAG AA ✓ Pass

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, 78.150, 349.452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

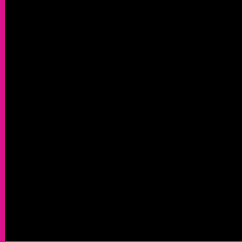
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 78.150, 349.452

Background



This preview shows how black text looks on a background with the CIELCh color 49, 78.150, 349.452.



This preview shows how white text looks on a background with the CIELCh color 49, 78.150, 349.452.

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, 78.278, 349.424

Protanopia

50, 51.126, 286.106

Deuteranopia

50, 10.946, 305.776



Tritanopia
49, 69.727, 30.232

Trichromacy



Original Color
49, 78.278, 349.424



Protanomaly
44, 60.981, 311.855



Deuteranomaly
45, 43.599, 336.641

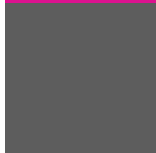


Tritanomaly
48, 68.733, 13.806

Monochromacy



Original Color
49, 78.278, 349.424



Achromatopsia
39, 0.006, 296.813



Achromatomaly
39, 38.631, 342.450

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 78.150, 349.452 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(220, 18, 143)` looks like.

```
.text, #text, p{  
    color:rgb(220, 18, 143)  
}
```

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(220, 18, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 18, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 78.150, 349.452 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(220, 18, 143) }
```

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

```
.border{ border-color:rgb(220, 18, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 18, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 18, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 18, 143);  
box-shadow:4px 4px 4px 4px rgb(220, 18,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 78.150, 349.452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 18, 143) }
```

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

```
.background{ background-color: rgb(220, 18,  
143) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor