

Converting Colors

CIELCh(49, 83.625, 344.157)

Have a look what the booklet for
CIELCh(49, 83.625, 344.157)
contains.

CIELCh(49, 83.123, 344.127)	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, 83.123, 344.127)

Conversions

Conversions Part 1

Format	Color
Hex	DC009D
RGB	220, 0, 157
RGB Percent	86%, 0%, 62%
CMY	0.1381, 1.0000, 0.3850
CMYK	0.00, 1.00, 0.29, 0.14
HSL	317°, 100%, 43%
HSV	317°, 100%, 86%
XYZ	35.5134, 17.5941, 33.3407
YIQ	83.6780, 80.7230, 95.4670

Conversions

Conversions Part 2

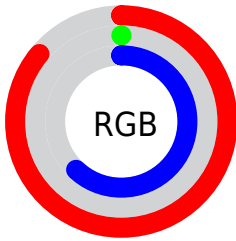
Format	Color
R_{YB}	220, 0, 157
Decimal	14418077
CIE Lab	49.00, 79.95, -22.73
CIE LCh	49, 83.123, 344.127
Yxy	17.5941, 0.4108, 0.2035
Android (android.graphics.Color)	4292608157 (0xFFDC009D)
YUV	83.6780, 36.1477, 119.5544
Hunter-Lab	41.9453, 77.7244, -17.7657

Details

The CIELCh color **49, 83.123, 344.127** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **77, 96.196, 140.509**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 78.662, 337.966**, and **35, 63.590, 347.942** is the 20% darker color. If you saturate the color by 10%, you get **49, 83.056, 344.137**, and if you desaturate by 10%, it is **50, 82.426, 342.368**.

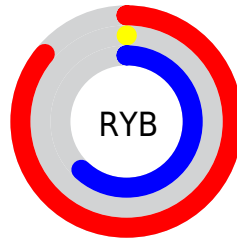
Distribution



Red (86%)

Green (0%)

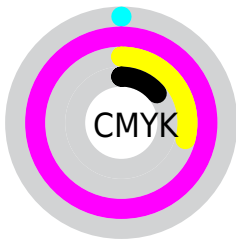
Blue (62%)



Red (86%)

Yellow (0%)

Blue (62%)

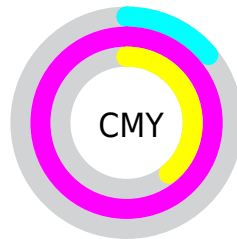


Cyan (0%)

Magenta (100%)

Yellow (29%)

Black (14%)



Cyan (14%)

Magenta (100%)

Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 83.123, 344.127 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, 83.123, 344.127 by changing the saturation by 10% instead.


 49, 83.123,
344.127


 49, 83.123,
344.127


 100, 83.123,
344.127

 39, 83.123,
344.127

 69, 83.123,
344.127


 29, 83.123,
344.127

 79, 83.123,
344.127

 19, 83.123,
344.127

 89, 83.123,
344.127

 9, 83.123, 344.127

 99, 83.123,
344.127

 0, 83.123, 344.127

 49, 83.123,

 49, 83.123,

344.127

344.127

■ 49, 83.056,
344.137

■ 50, 82.426,
342.368

■ 52, 79.553,
340.875

■ 54, 74.100,
339.621

■ 58, 66.378,
338.538

■ 62, 56.909,
337.575

■ 66, 46.254,
336.698

■ 71, 34.907,
335.885

■ 76, 23.251,
335.121

■ 82, 11.559,
334.392

Harmonies

Complementary

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



49, 83.123, 344.127



77, 96.196, 140.509

Rectangle

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



49, 83.123, 344.127



49, 83.123, 34.127



49, 83.123, 164.127



49, 83.123, 214.127

Sweetspot

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



49, 83.056, 344.137



81, 39.376, 335.905



30, 116.551, 308.018



41, 26.818, 336.244



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, 83.056, 344.137



57, 92.773, 344.312



46, 82.649, 28.864



43, 6.547, 334.350



39, 69.796, 343.807



6, 28.279, 340.494

Inverse Universe

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



49, 83.056, 344.137



57, 92.773, 344.312



78, 56.948, 168.952



43, 6.547, 334.350



39, 69.796, 343.807



6, 28.279, 340.494

Previews

White Background



This preview shows how the CIELCh color 49, 83.123, 344.127 looks on a white background.

Color Contrast Check

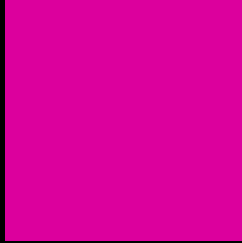
Large Text (above 18pt) WCAG AA ✓ Pass

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, 83.123, 344.127 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

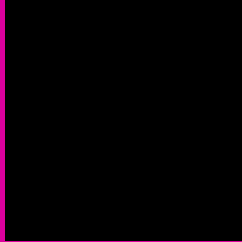
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 83.123, 344.127

Background



This preview shows how black text looks on a background with the CIELCh color 49, 83.123, 344.127.

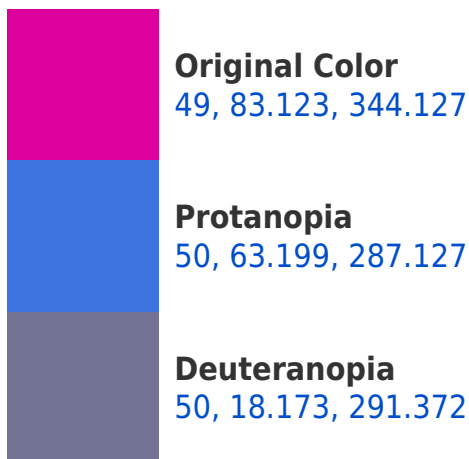


This preview shows how white text looks on a background with the CIELCh color 49, 83.123, 344.127.

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





Tritanopia
49, 67.442, 29.487

Trichromacy



Original Color
49, 83.123, 344.127



Protanomaly
42, 75.234, 308.280



Deuteranomaly
44, 52.067, 327.805



Tritanomaly
48, 69.172, 9.504

Monochromacy



Original Color
49, 83.123, 344.127



Achromatopsia
36, 0.005, 296.813



Achromatomaly
35, 44.474, 338.373

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 83.123, 344.127 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, 0, 157)` looks like.

```
.text, #text, p{  
  color:rgb(220, 0, 157)  
}
```

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, 0, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 0, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 83.123, 344.127 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, 0, 157) }
```

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

```
.border{ border-color:rgb(220, 0, 157) }
```

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

Here you see how a box with a 4 pixel rgb(220, 0, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 0, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 0, 157);  
box-shadow:4px 4px 4px 4px rgb(220, 0,  
157) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 83.123, 344.127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 0, 157) }
```

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

```
.background{ background-color: rgb(220, 0,  
157) }
```

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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