

Converting Colors

CIELCh(49, 78.584, 354.932)

Have a look what the booklet for
CIELCh(49, 78.584, 354.932)
contains.

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Color

CIELCh(49, 78.666, 354.941)

Conversions

Conversions Part 1

Format	Color
Hex	E10083
RGB	225, 0, 131
RGB Percent	88%, 0%, 51%
CMY	0.1188, 0.9999, 0.4872
CMYK	0.00, 1.00, 0.42, 0.12
HSL	325°, 100%, 44%
HSV	325°, 100%, 88%
XYZ	35.0439, 17.5941, 22.9390
YIQ	82.2090, 92.0490, 88.4410

Conversions

Conversions Part 2

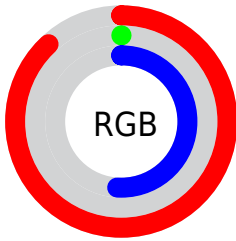
Format	Color
R_{YB}	225, 0, 131
Decimal	14745731
CIE _{Lab}	49.00, 78.36, -6.94
CIE _{LCh}	49, 78.666, 354.941
Yxy	17.5941, 0.4637, 0.2328
Android (android.graphics.Color)	4292935811 (0xFFE10083)
YUV	82.2090, 24.0540, 125.2277
Hunter-Lab	41.9453, 75.7265, -3.0628

Details

The CIELCh color **49, 78.666, 354.941** 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, 88.202, 145.091**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 71.376, 347.480**, and **35, 60.715, 1.269** is the 20% darker color. If you saturate the color by 10%, you get **49, 78.663, 354.946**, and if you desaturate by 10%, it is **50, 77.909, 351.835**.

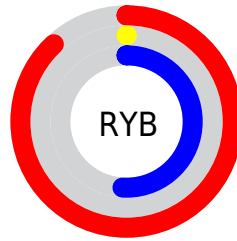
Distribution



Red (88%)

Green (0%)

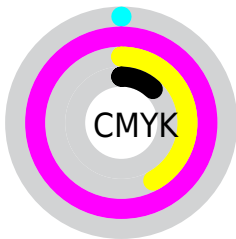
Blue (51%)



Red (88%)

Yellow (0%)

Blue (51%)

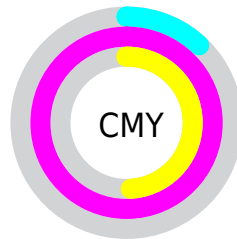


Cyan (0%)

Magenta (100%)

Yellow (42%)

Black (12%)



Cyan (12%)

Magenta (100%)


Yellow (49%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 78.666, 354.941 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, 78.666, 354.941 by changing the saturation by 10% instead.


 49, 78.666,
354.941


 49, 78.666,
354.941


 100, 78.666,
354.941


 39, 78.666,
354.941

 69, 78.666,
354.941


 29, 78.666,
354.941

 79, 78.666,
354.941

 19, 78.666,
354.941

 89, 78.666,
354.941

 9, 78.666, 354.941

 99, 78.666,
354.941

 0, 78.666, 354.941

 49, 78.666,

 49, 78.666,

354.941

354.941

■ 49, 78.663,
354.946

■ 50, 77.909,
351.835

■ 52, 75.080,
349.297

■ 55, 69.807,
347.269


■ 58, 62.387,
345.620

■ 62, 53.342,
344.243

■ 67, 43.229,
343.062

■ 72, 32.529,
342.022

■ 78, 21.604,
341.087

 84, 10.707,
340.225

Harmonies

Complementary

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



49, 78.666, 354.941



79, 88.202, 145.091

Rectangle

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



49, 78.666, 354.941



49, 78.666, 44.941



49, 78.666, 174.941



49, 78.666, 224.941

Sweetspot

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



49, 78.662, 354.942



81, 36.057, 342.044



34, 115.602, 310.034



41, 24.587, 342.472



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, 78.662, 354.942



55, 86.451, 355.211



47, 91.577, 37.170



44, 6.077, 340.179



38, 65.696, 354.347



7, 27.429, 348.819

Inverse Universe

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



49, 78.662, 354.942



55, 86.451, 355.211



81, 49.177, 184.302



44, 6.077, 340.179



38, 65.696, 354.347



7, 27.429, 348.819

Previews

White Background



This preview shows how the CIELCh color 49, 78.666, 354.941 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, 78.666, 354.941 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

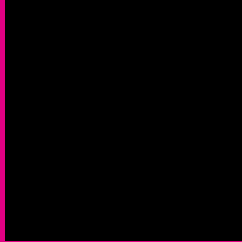
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 78.666, 354.941

Background



This preview shows how black text looks on a background with the CIELCh color 49, 78.666, 354.941.



This preview shows how white text looks on a background with the CIELCh color 49, 78.666, 354.941.

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, 78.748, 354.917

Protanopia

50, 42.329, 285.733

Deuteranopia

50, 6.342, 346.575



Tritanopia
49, 75.359, 32.357

Trichromacy



Original Color
49, 78.748, 354.917



Protanomaly
43, 58.410, 318.267



Deuteranomaly
44, 44.877, 345.004



Tritanomaly
49, 73.876, 17.992

Monochromacy



Original Color
49, 78.748, 354.917



Achromatopsia
35, 0.005, 296.813



Achromatomaly
35, 41.993, 345.248

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 78.666, 354.941 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, 0, 131)` looks like.

```
.text, #text, p{  
    color:rgb(225, 0, 131)  
}
```

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, 0, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 0, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 78.666, 354.941 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, 0, 131) }
```

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

```
.border{ border-color:rgb(225, 0, 131) }
```

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

Here you see how a box with a 4 pixel rgb(225, 0, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 0, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 0, 131);  
box-shadow:4px 4px 4px 4px rgb(225, 0,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 78.666, 354.941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 0, 131) }
```

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

```
.background{ background-color: rgb(225, 0,  
131) }
```

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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