

Converting Colors

CIELCh(51, 83.313, 348.941)

Have a look what the booklet for
CIELCh(51, 83.313, 348.941)
contains.

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Color

CIELCh(51, 83.224, 349.075)

Conversions

Conversions Part 1

Format	Color
Hex	E80097
RGB	232, 0, 151
RGB Percent	91%, 0%, 59%
CMY	0.0919, 1.0000, 0.4093
CMYK	0.00, 1.00, 0.35, 0.09
HSL	321°, 100%, 45%
HSV	321°, 100%, 91%
XYZ	38.6744, 19.2686, 30.8011
YIQ	86.5820, 89.8010, 96.1450

Conversions

Conversions Part 2

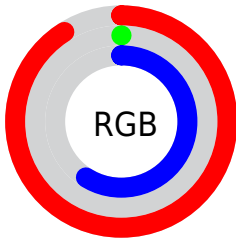
Format	Color
R_{YB}	232, 0, 151
Decimal	15204503
CIE _{Lab}	51.00, 81.72, -15.77
CIE _{LCh}	51, 83.224, 349.075
Yxy	19.2686, 0.4358, 0.2171
Android (android.graphics.Color)	4293394583 (0xFFE80097)
YUV	86.5820, 31.7581, 127.5316
Hunter-Lab	43.8960, 80.4487, -10.8756

Details

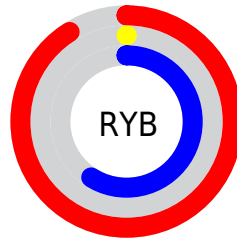
The CIELCh color **51, 83.224, 349.075** is a dark color, and the websafe version is hex **FF0099**. The color can be described as dark washed rose. A complement of this color would be **81, 95.713, 142.440**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 75.624, 340.250**, and **37, 64.422, 354.013** is the 20% darker color. If you saturate the color by 10%, you get **51, 83.091, 349.102**, and if you desaturate by 10%, it is **52, 82.555, 346.706**.

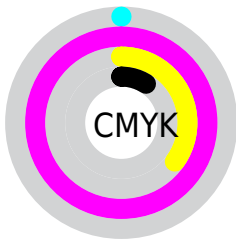
Distribution



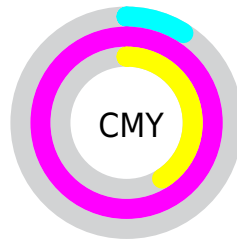
- Red (91%)
- Green (0%)
- Blue (59%)



- Red (91%)
- Yellow (0%)
- Blue (59%)



- Cyan (0%)
- Magenta (100%)
- Yellow (35%)
- Black (9%)





- Cyan (9%)
- Magenta (100%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 83.224, 349.075 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 51, 83.224, 349.075 by changing the saturation by 10% instead.


 51, 83.224,
349.075


 51, 83.224,
349.075


 100, 83.224,
349.075


 41, 83.224,
349.075


 71, 83.224,
349.075

 31, 83.224,
349.075

 81, 83.224,
349.075

 21, 83.224,
349.075

 91, 83.224,
349.075

 11, 83.224,
349.075

 1, 83.224, 349.075

 0, 83.224, 349.075

■ 51, 83.224,
349.075

■ 51, 83.224,
349.075

■ 51, 83.091,
349.102

■ 52, 82.555,
346.706

■ 54, 79.738,
344.729

■ 57, 74.289,
343.118

■ 60, 66.528,
341.774

■ 64, 56.998,
340.620

■ 69, 46.282,
339.601

■ 74, 34.891,
338.683

■ 80, 23.216,

337.839

■ 86, 11.530,
337.047

Harmonies

Complementary

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



51, 83.224, 349.075



81, 95.713, 142.440

Rectangle

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



51, 83.224, 349.075



51, 83.224, 39.075



51, 83.224, 169.075



51, 83.224, 219.075

Sweetspot

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



51, 83.091, 349.102



81, 37.728, 338.697



33, 120.224, 308.647



41, 25.708, 339.076



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51, 83.091, 349.102



56, 89.286, 349.253



49, 89.035, 32.648



45, 6.498, 337.004



39, 68.610, 348.626



7, 29.653, 344.530

Inverse Universe

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



51, 83.091, 349.102



56, 89.286, 349.253



83, 55.584, 174.096



45, 6.498, 337.004



39, 68.610, 348.626



7, 29.653, 344.530

Previews

White Background



This preview shows how the CIELCh color 51, 83.224, 349.075 looks on a white background.

Color Contrast Check

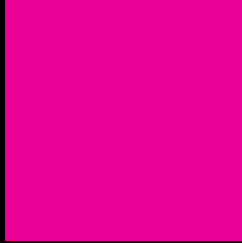
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 51, 83.224, 349.075 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

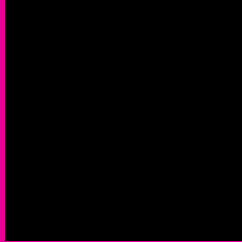
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 83.224, 349.075

Background



This preview shows how black text looks on a background with the CIELCh color 51, 83.224, 349.075.



This preview shows how white text looks on a background with the CIELCh color 51, 83.224, 349.075.

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

51, 83.224, 349.075

Protanopia

52, 55.331, 286.506

Deuteranopia

52, 11.994, 304.440



Tritanopia
52, 73.761, 30.976

Trichromacy



Original Color
51, 83.224, 349.075



Protanomaly
44, 69.808, 312.340



Deuteranomaly
46, 49.920, 335.583



Tritanomaly
50, 73.627, 13.740

Monochromacy



Original Color
51, 83.224, 349.075



Achromatopsia
37, 0.005, 296.813



Achromatomaly
37, 44.597, 341.331

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 83.224, 349.075 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(232, 0, 151)` looks like.

```
.text, #text, p{  
    color:rgb(232, 0, 151)  
}
```

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(232, 0, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 83.224, 349.075 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(232, 0, 151) }
```

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

```
.border{ border-color:rgb(232, 0, 151) }
```

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

Here you see how a box with a 4 pixel rgb(232, 0, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 151);  
box-shadow:4px 4px 4px 4px rgb(232, 0,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 83.224, 349.075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 0, 151) }
```

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

```
.background{ background-color: rgb(232, 0,  
151) }
```

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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