

Converting Colors

CIELCh(51, 78.242, 0.303)

Have a look what the booklet for
CIELCh(51, 78.242, 0.303) contains.

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Color

CIELCh(51, 78.185, 0.116)

Conversions

Conversions Part 1

Format	Color
Hex	E9127C
RGB	233, 18, 124
RGB Percent	91%, 7%, 49%
CMY	0.0850, 0.9298, 0.5127
CMYK	0.00, 0.92, 0.47, 0.09
HSL	330°, 86%, 49%
HSV	330°, 92%, 91%
XYZ	37.5793, 19.2686, 20.8941
YIQ	94.3690, 94.1140, 78.5460

Conversions

Conversions Part 2

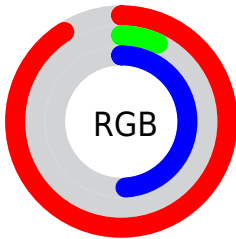
Format	Color
R_{YB}	233, 18, 124
Decimal	15274620
CIE _{Lab}	51.00, 78.18, 0.16
CIE _{LCh}	51, 78.185, 0.116
Yxy	19.2686, 0.4834, 0.2479
Android (android.graphics.Color)	4293464700 (0xFFE9127C)
YUV	94.3690, 14.6081, 121.5794
Hunter-Lab	43.8960, 75.9953, 2.5057

Details

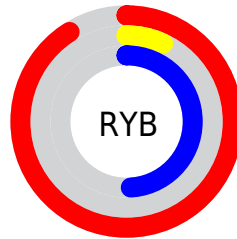
The CIELCh color **51, 78.185, 0.116** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **82, 79.578, 150.837**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 67.050, 351.445**, and **36, 62.578, 7.044** is the 20% darker color. If you saturate the color by 10%, you get **50, 79.091, 3.319**, and if you desaturate by 10%, it is **53, 75.493, 356.591**.

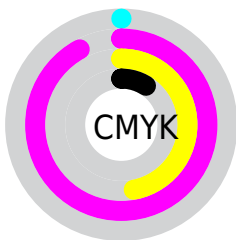
Distribution



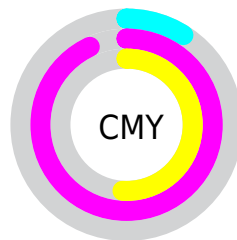
- Red (91%)
- Green (7%)
- Blue (49%)



- Red (91%)
- Yellow (7%)
- Blue (49%)



- Cyan (0%)
- Magenta (92%)
- Yellow (47%)
- Black (9%)




- Cyan (9%)
- Magenta (93%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 78.185, 0.116 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, 78.185, 0.116 by changing the saturation by 10% instead.

 51, 78.185, 0.116  51, 78.185, 0.116

 100, 78.185, 0.116  41, 78.185, 0.116

 71, 78.185, 0.116  31, 78.185, 0.116



 81, 78.185, 0.116  21, 78.185, 0.116

 91, 78.185, 0.116  11, 78.185, 0.116

 1, 78.185, 0.116

 0, 78.185, 0.116

 51, 78.185, 0.116  51, 78.185, 0.116

 50, 79.091, 3.319  53, 75.493,
356.591

55, 70.506,
353.809

59, 63.388,
351.603

63, 54.609,
349.822

68, 44.728,
348.345

73, 34.242,
347.089

79, 23.533,
345.993

85, 12.865,
345.012

91, 2.401, 343.991

Harmonies

Complementary

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



51, 78.185, 0.116



82, 79.578, 150.837

Rectangle

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



51, 78.185, 0.116



51, 78.185, 50.116



51, 78.185, 180.116



51, 78.185, 230.116

Sweetspot

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



51, 78.181, 0.117



82, 31.833, 346.613



39, 113.457, 312.221



41, 22.006, 347.106



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, 78.181, 0.117



55, 84.565, 3.557



49, 93.629, 38.257



46, 5.935, 344.745



39, 65.478, 2.528



8, 28.550, 355.692

Inverse Universe

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



51, 78.181, 0.117



55, 84.565, 3.557



84, 46.407, 196.414



46, 5.935, 344.745



39, 65.478, 2.528



8, 28.550, 355.692

Previews

White Background



This preview shows how the CIELCh color 51, 78.185, 0.116 looks on a white background.

Color Contrast Check

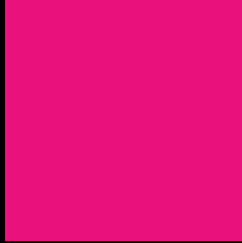
Large Text (above 18pt) WCAG AA ✓ Pass

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, 78.185, 0.116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

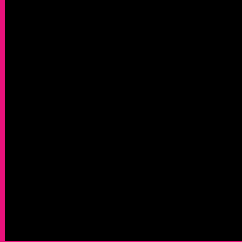
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 78.185, 0.116

Background



This preview shows how black text looks on a background with the CIELCh color 51, 78.185, 0.116.



This preview shows how white text looks on a background with the CIELCh color 51, 78.185, 0.116.

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, 78.078, 0.156

Protanopia

52, 33.339, 285.077

Deuteranopia

51, 8.111, 32.547



Tritanopia
51, 79.647, 32.984

Trichromacy



Original Color
51, 78.078, 0.156



Protanomaly
46, 48.867, 324.013



Deuteranomaly
47, 40.956, 355.838



Tritanomaly
51, 76.397, 21.302

Monochromacy



Original Color
51, 78.078, 0.156



Achromatopsia
40, 0.006, 296.813



Achromatomaly
39, 38.575, 349.879

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 78.185, 0.116 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(233, 18, 124)` looks like.

```
.text, #text, p{  
    color:rgb(233, 18, 124)  
}
```

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(233, 18, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 18, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 78.185, 0.116 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(233, 18, 124) }
```

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

```
.border{ border-color:rgb(233, 18, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 18, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 18, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 18, 124);  
box-shadow:4px 4px 4px 4px rgb(233, 18,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 78.185, 0.116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 18, 124) }
```

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

```
.background{ background-color: rgb(233, 18,  
124) }
```

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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