

Converting Colors

CIELCh(48, 78.753, 350.774)

Have a look what the booklet for
CIELCh(48, 78.753, 350.774)
contains.

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Color

CIELCh(48, 78.687, 351.079)

Conversions

Conversions Part 1

Format	Color
Hex	DB0089
RGB	219, 0, 137
RGB Percent	86%, 0%, 54%
CMY	0.1423, 1.0000, 0.4637
CMYK	0.00, 1.00, 0.37, 0.14
HSL	322°, 100%, 43%
HSV	322°, 100%, 86%
XYZ	33.6167, 16.7945, 25.0483
YIQ	81.0990, 86.5470, 89.0350

Conversions

Conversions Part 2

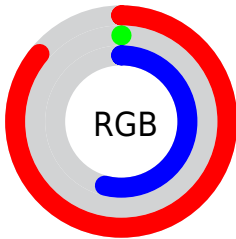
Format	Color
R_{YB}	219, 0, 137
Decimal	14352521
CIE _{Lab}	48.00, 77.74, -12.20
CIE _{LCh}	48, 78.687, 351.079
Yxy	16.7945, 0.4455, 0.2226
Android (android.graphics.Color)	4292542601 (0xFFDB0089)
YUV	81.0990, 27.5592, 120.9392
Hunter-Lab	40.9810, 74.7064, -7.5523

Details

The CIELCh color **48, 78.687, 351.079** 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 **77, 89.682, 143.421**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 73.256, 345.140**, and **34, 60.078, 356.796** is the 20% darker color. If you saturate the color by 10%, you get **48, 78.602, 351.099**, and if you desaturate by 10%, it is **49, 77.957, 348.474**.

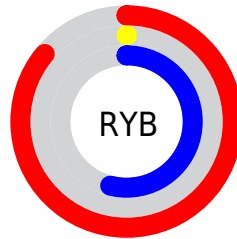
Distribution



Red (86%)

Green (0%)

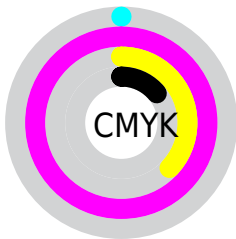
Blue (54%)



Red (86%)

Yellow (0%)

Blue (54%)

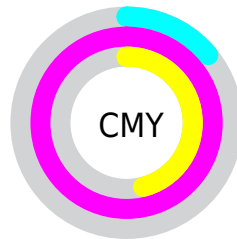


Cyan (0%)

Magenta (100%)

Yellow (37%)

Black (14%)



Cyan (14%)


Magenta (100%)

Yellow (46%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 78.687, 351.079 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 48, 78.687, 351.079 by changing the saturation by 10% instead.


 48, 78.687,
351.079


 48, 78.687,
351.079


 100, 78.687,
351.079

 38, 78.687,
351.079

 68, 78.687,
351.079

 28, 78.687,
351.079

 78, 78.687,
351.079

 18, 78.687,
351.079

 88, 78.687,
351.079

 8, 78.687, 351.079

 98, 78.687,
351.079

 0, 78.687, 351.079

 48, 78.687,

 48, 78.687,

351.079

351.079

■ 48, 78.602,
351.099

■ 49, 77.957,
348.474

■ 51, 75.202,
346.314

■ 53, 69.983,
344.566

■ 57, 62.607,
343.122

■ 61, 53.589,
341.894

■ 66, 43.479,
340.822

■ 71, 32.756,
339.864

■ 76, 21.783,
338.990

■ 82, 10.813,
338.176

Harmonies

Complementary

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



48, 78.687, 351.079



77, 89.682, 143.421

Rectangle

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



48, 78.687, 351.079



48, 78.687, 41.079



48, 78.687, 171.079



48, 78.687, 221.079

Sweetspot

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



48, 78.602, 351.099



81, 37.099, 339.887



31, 114.400, 309.186



41, 25.285, 340.284



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



48, 78.602, 351.099



56, 88.119, 351.374



46, 87.027, 34.551



43, 6.148, 338.130



38, 66.292, 350.610



6, 26.730, 345.782

Inverse Universe

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



48, 78.602, 351.099



56, 88.119, 351.374



79, 51.052, 177.990



43, 6.148, 338.130



38, 66.292, 350.610



6, 26.730, 345.782

Previews

White Background



This preview shows how the CIELCh color 48, 78.687, 351.079 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 48, 78.687, 351.079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

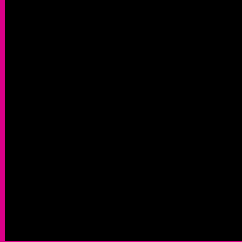
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 78.687, 351.079

Background



This preview shows how black text looks on a background with the CIELCh color 48, 78.687, 351.079.



This preview shows how white text looks on a background with the CIELCh color 48, 78.687, 351.079.

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

48, 78.687, 351.079

Protanopia

49, 48.907, 286.366

Deuteranopia

49, 9.008, 314.325



Tritanopia
49, 71.841, 31.328

Trichromacy



Original Color
48, 78.687, 351.079



Protanomaly
42, 62.770, 314.334



Deuteranomaly
43, 45.965, 338.756



Tritanomaly
47, 71.269, 15.283

Monochromacy



Original Color
48, 78.687, 351.079



Achromatopsia
34, 0.005, 296.813



Achromatomaly
34, 41.579, 343.134

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 78.687, 351.079 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(219, 0, 137)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 137)  
}
```

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(219, 0, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 78.687, 351.079 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(219, 0, 137) }
```

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

```
.border{ border-color:rgb(219, 0, 137) }
```

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

Here you see how a box with a 4 pixel rgb(219, 0, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 137);  
box-shadow:4px 4px 4px 4px rgb(219, 0,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 78.687, 351.079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 0, 137) }
```

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

```
.background{ background-color: rgb(219, 0,  
137) }
```

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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