

Converting Colors

CIELCh(50, 75.406, 351.297)

Have a look what the booklet for
CIELCh(50, 75.406, 351.297)
contains.

CIELCh(50, 75.378, 351.098)	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(50, 75.378, 351.098)

Conversions

Conversions Part 1

Format	Color
Hex	DD228D
RGB	221, 34, 141
RGB Percent	87%, 13%, 55%
CMY	0.1336, 0.8671, 0.4473
CMYK	0.00, 0.85, 0.36, 0.13
HSL	326°, 73%, 50%
HSV	326°, 85%, 87%
XYZ	35.1674, 18.4187, 26.8757
YIQ	102.1110, 77.1050, 72.9210

Conversions

Conversions Part 2

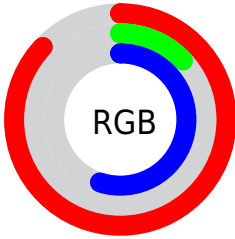
Format	Color
RYB	221, 34, 141
Decimal	14492301
CIELab	50.00, 74.47, -11.66
CIELCh	50, 75.378, 351.098
Yxy	18.4187, 0.4371, 0.2289
Android (android.graphics.Color)	4292682381 (0xFFDD228D)
YUV	102.1110, 19.1723, 104.2657
Hunter-Lab	42.9170, 71.1635, -7.0870

Details

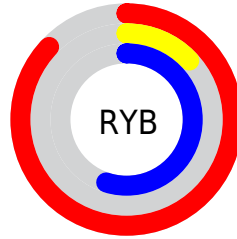
The CIELCh color **50, 75.378, 351.098** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **78, 77.810, 148.837**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 69.124, 344.361**, and **34, 61.010, 355.226** is the 20% darker color. If you saturate the color by 10%, you get **49, 77.104, 354.006**, and if you desaturate by 10%, it is **52, 71.256, 348.785**.

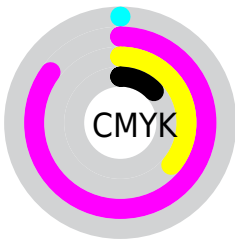
Distribution



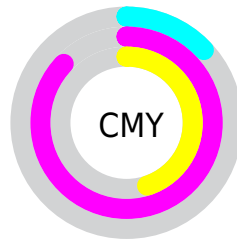
- Red (87%)
- Green (13%)
- Blue (55%)



- Red (87%)
- Yellow (13%)
- Blue (55%)



- Cyan (0%)
- Magenta (85%)
- Yellow (36%)
- Black (13%)





- Cyan (13%)
- Magenta (87%)
- Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 75.378, 351.098 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 50, 75.378, 351.098 by changing the saturation by 10% instead.


 50, 75.378,
351.098


 50, 75.378,
351.098


 100, 75.378,
351.098


 40, 75.378,
351.098


 70, 75.378,
351.098

 30, 75.378,
351.098


 80, 75.378,
351.098


 20, 75.378,
351.098

 90, 75.378,
351.098

 10, 75.378,
351.098

 0, 75.378, 351.098

 50, 75.378,
351.098

 50, 75.378,
351.098

49, 77.104,
354.006

52, 71.256,
348.785

48, 77.396,
355.770

55, 64.866,
346.927

59, 56.639,
345.399

64, 47.124,
344.108

69, 36.835,
342.988

74, 26.184,
341.994

80, 15.463,
341.093

85, 4.866, 340.223

91, 5.492, 159.636

Harmonies

Complementary

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



50, 75.378, 351.098



78, 77.810, 148.837

Rectangle

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



50, 75.378, 351.098



50, 75.378, 41.098



50, 75.378, 171.098



50, 75.378, 221.098

Sweetspot

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



50, 75.374, 351.099



84, 29.830, 342.046



37, 105.010, 310.574



43, 20.371, 342.388



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



50, 75.374, 351.099



55, 86.147, 356.082



48, 79.649, 30.772



43, 5.924, 340.644



38, 64.761, 355.148



6, 25.938, 349.341

Inverse Universe

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



50, 75.374, 351.099



55, 86.147, 356.082



80, 46.543, 185.843



43, 5.924, 340.644



38, 64.761, 355.148



6, 25.938, 349.341

Previews

White Background



This preview shows how the CIELCh color 50, 75.378, 351.098 looks on a white background.

Color Contrast Check

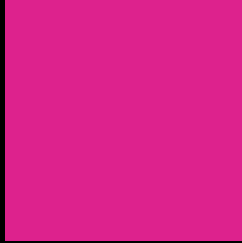
Large Text (above 18pt) WCAG AA ✓ Pass

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 50, 75.378, 351.098 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

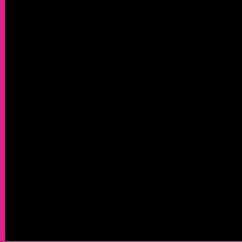
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 75.378, 351.098

Background



This preview shows how black text looks on a background with the CIELCh color 50, 75.378, 351.098.



This preview shows how white text looks on a background with the CIELCh color 50, 75.378, 351.098.

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

50, 75.378, 351.098

Protanopia

50, 45.733, 286.077

Deuteranopia

50, 10.193, 313.790



Tritanopia
50, 68.639, 29.672

Trichromacy



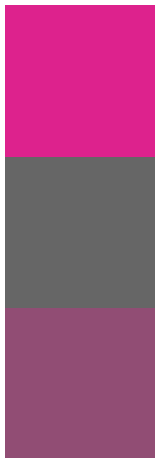
Original Color
50, 75.378, 351.098

Protanomaly
46, 54.223, 313.697

Deuteranomaly
47, 39.906, 340.002

Tritanomaly
50, 67.316, 14.548

Monochromacy



Original Color
50, 75.378, 351.098

Achromatopsia
43, 0.006, 296.813

Achromatomaly
42, 35.106, 344.140

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 75.378, 351.098 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(221, 34, 141)` looks like.

```
.text, #text, p{  
    color:rgb(221, 34, 141)  
}
```

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(221, 34, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 34, 141) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 75.378, 351.098 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(221, 34, 141) }
```

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

```
.border{ border-color:rgb(221, 34, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 34, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 34, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 34, 141);  
box-shadow:4px 4px 4px 4px rgb(221, 34,  
141) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 75.378, 351.098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 34, 141) }
```

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

```
.background{ background-color: rgb(221, 34,  
141) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor