

Converting Colors

CIELCh(50, 77.055, 346.363)

Have a look what the booklet for
CIELCh(50, 77.055, 346.363)
contains.

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Color

CIELCh(50, 76.986, 346.149)

Conversions

Conversions Part 1

Format	Color
Hex	DA2398
RGB	218, 35, 152
RGB Percent	85%, 14%, 60%
CMY	0.1445, 0.8617, 0.4034
CMYK	0.00, 0.84, 0.30, 0.14
HSL	322°, 72%, 50%
HSV	322°, 84%, 86%
XYZ	35.2490, 18.4187, 31.4626
YIQ	103.0550, 71.5110, 75.1830

Conversions

Conversions Part 2

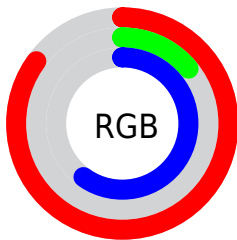
Format	Color
R_{YB}	218, 35, 152
Decimal	14295960
CIE _{Lab}	50.00, 74.75, -18.43
CIE _{LCh}	50, 76.986, 346.149
Yxy	18.4187, 0.4141, 0.2164
Android (android.graphics.Color)	4292486040 (0xFFDA2398)
YUV	103.0550, 24.1299, 100.8068
Hunter-Lab	42.9170, 71.5027, -13.4239

Details

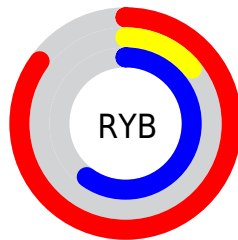
The CIELCh color **50, 76.986, 346.149** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle washed rose. A complement of this color would be **77, 81.140, 146.255**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 72.220, 340.406**, and **34, 62.432, 349.258** is the 20% darker color. If you saturate the color by 10%, you get **49, 78.786, 348.374**, and if you desaturate by 10%, it is **52, 72.683, 344.351**.

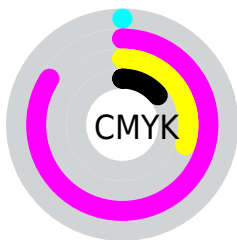
Distribution



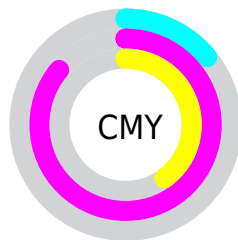
- Red (85%)
- Green (14%)
- Blue (60%)



- Red (85%)
- Yellow (14%)
- Blue (60%)



- Cyan (0%)
- Magenta (84%)
- Yellow (30%)
- Black (14%)





- Cyan (14%)
- Magenta (86%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 76.986, 346.149 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, 76.986, 346.149 by changing the saturation by 10% instead.


 50, 76.986,
346.149


 50, 76.986,
346.149


 100, 76.986,
346.149


 40, 76.986,
346.149


 70, 76.986,
346.149

 30, 76.986,
346.149


 80, 76.986,
346.149


 20, 76.986,
346.149

 90, 76.986,
346.149

 10, 76.986,
346.149

 0, 76.986, 346.149

 50, 76.986,
346.149

 50, 76.986,
346.149

49, 78.786,
348.374

52, 72.683,
344.351

48, 79.007,
349.945

55, 66.058,
342.870

59, 57.569,
341.618

64, 47.769,
340.529

69, 37.173,
339.558

74, 26.192,
338.675

79, 15.121,
337.857

85, 4.157, 337.044

91, 6.580, 156.498

Harmonies

Complementary

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



50, 76.986, 346.149



77, 81.140, 146.255

Rectangle

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



50, 76.986, 346.149



50, 76.986, 36.149



50, 76.986, 166.149



50, 76.986, 216.149

Sweetspot

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



50, 76.982, 346.150



84, 31.190, 338.793



36, 104.233, 309.183



43, 21.288, 339.101



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, 76.982, 346.150



56, 88.737, 350.210



48, 75.322, 25.646



43, 6.209, 337.510



38, 66.763, 349.488



6, 26.953, 344.907

Inverse Universe

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



50, 76.982, 346.150



56, 88.737, 350.210



79, 49.000, 178.484



43, 6.209, 337.510



38, 66.763, 349.488



6, 26.953, 344.907

Previews

White Background



This preview shows how the CIELCh color 50, 76.986, 346.149 looks on a white background.

Color Contrast Check

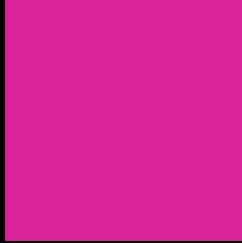
Large Text (above 18pt) WCAG AA ✓ Pass

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, 76.986, 346.149 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

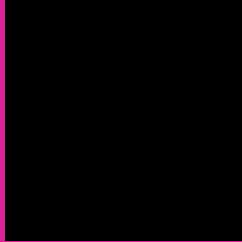
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 76.986, 346.149

Background



This preview shows how black text looks on a background with the CIELCh color 50, 76.986, 346.149.



This preview shows how white text looks on a background with the CIELCh color 50, 76.986, 346.149.

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, 76.986, 346.149

Protanopia

51, 54.405, 286.554

Deuteranopia

50, 15.285, 296.284



Tritanopia
50, 64.650, 28.592

Trichromacy



Original Color
50, 76.986, 346.149



Protanomaly
46, 61.372, 309.155



Deuteranomaly
47, 42.400, 331.332



Tritanomaly
49, 64.757, 10.854

Monochromacy



Original Color
50, 76.986, 346.149



Achromatopsia
44, 0.006, 296.813



Achromatomaly
43, 36.114, 340.494

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 76.986, 346.149 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(218, 35, 152)` looks like.

```
.text, #text, p{  
    color:rgb(218, 35, 152)  
}
```

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(218, 35, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 35, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 76.986, 346.149 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(218, 35, 152) }
```

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

```
.border{ border-color:rgb(218, 35, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 35, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 35, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 35, 152);  
box-shadow:4px 4px 4px 4px rgb(218, 35,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 76.986, 346.149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 35, 152) }
```

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

```
.background{ background-color: rgb(218, 35,  
152) }
```

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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