

Converting Colors

CIELCh(50, 77.594, 347.082)

Have a look what the booklet for
CIELCh(50, 77.594, 347.082)
contains.

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Color

CIELCh(50, 77.460, 347.275)

Conversions

Conversions Part 1

Format	Color
Hex	DC2096
RGB	220, 32, 150
RGB Percent	86%, 13%, 59%
CMY	0.1377, 0.8752, 0.4122
CMYK	0.00, 0.86, 0.32, 0.14
HSL	322°, 75%, 49%
HSV	322°, 86%, 86%
XYZ	35.4880, 18.4187, 30.4961
YIQ	101.6640, 74.1700, 76.5540

Conversions

Conversions Part 2

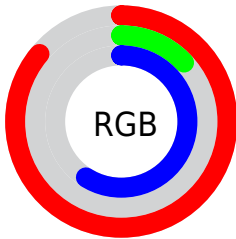
Format	Color
R _Y B	220, 32, 150
Decimal	14426262
CIE Lab	50.00, 75.56, -17.06
CIE LCh	50, 77.460, 347.275
Yxy	18.4187, 0.4205, 0.2182
Android (android.graphics.Color)	4292616342 (0xFFDC2096)
YUV	101.6640, 23.8296, 103.7807
Hunter-Lab	42.9170, 72.4968, -12.0887

Details

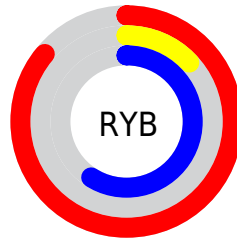
The CIELCh color **50, 77.460, 347.275** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle washed rose. A complement of this color would be **78, 81.983, 146.341**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 72.103, 341.024**, and **35, 62.343, 350.956** is the 20% darker color. If you saturate the color by 10%, you get **49, 78.861, 349.691**, and if you desaturate by 10%, it is **52, 73.572, 345.331**.

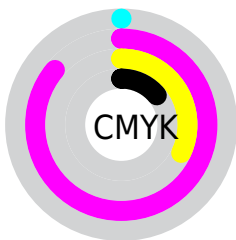
Distribution



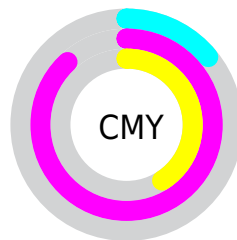
- Red (86%)
- Green (13%)
- Blue (59%)



- Red (86%)
- Yellow (13%)
- Blue (59%)



- Cyan (0%)
- Magenta (86%)
- Yellow (32%)
- Black (14%)





- Cyan (14%)
- Magenta (88%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 77.460, 347.275 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, 77.460, 347.275 by changing the saturation by 10% instead.


 50, 77.460,
347.275


 50, 77.460,
347.275


 100, 77.460,
347.275


 40, 77.460,
347.275


 70, 77.460,
347.275

 30, 77.460,
347.275


 80, 77.460,
347.275

 20, 77.460,
347.275

 90, 77.460,
347.275

 10, 77.460,
347.275

 0, 77.460, 347.275

 50, 77.460,
347.275

 50, 77.460,
347.275

49, 78.861,
349.691

52, 73.572,
345.331

48, 79.013,
350.893

55, 67.306,
343.743

59, 59.085,
342.414

63, 49.463,
341.269

68, 38.968,
340.257

73, 28.032,
339.343

79, 16.969,
338.503

85, 5.990, 337.694

90, 4.773, 157.129

Harmonies

Complementary

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



50, 77.460, 347.275



78, 81.983, 146.341

Rectangle

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



50, 77.460, 347.275



50, 77.460, 37.275



50, 77.460, 167.275



50, 77.460, 217.275

Sweetspot

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



50, 77.456, 347.276



84, 32.200, 339.403



36, 106.109, 309.533



42, 21.833, 339.715



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, 77.456, 347.276



56, 88.231, 351.155



48, 77.745, 27.695



43, 6.160, 338.013



38, 66.378, 350.398



6, 26.771, 345.617

Inverse Universe

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



50, 77.456, 347.276



56, 88.231, 351.155



79, 48.854, 180.029



43, 6.160, 338.013



38, 66.378, 350.398



6, 26.771, 345.617

Previews

White Background



This preview shows how the CIELCh color 50, 77.460, 347.275 looks on a white background.

Color Contrast Check

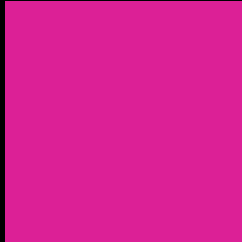
Large Text (above 18pt) WCAG AA ✓ Pass

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, 77.460, 347.275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

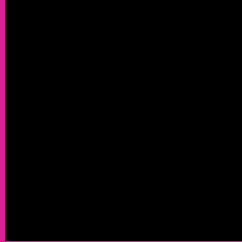
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 77.460, 347.275

Background



This preview shows how black text looks on a background with the CIELCh color 50, 77.460, 347.275.



This preview shows how white text looks on a background with the CIELCh color 50, 77.460, 347.275.

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, 77.460, 347.275

Protanopia

51, 53.270, 286.349

Deuteranopia

50, 13.628, 299.814



Tritanopia
50, 66.414, 29.049

Trichromacy



Original Color
50, 77.460, 347.275



Protanomaly
46, 60.953, 309.861



Deuteranomaly
47, 42.594, 333.259



Tritanomaly
50, 66.060, 11.881

Monochromacy



Original Color
50, 77.460, 347.275



Achromatopsia
43, 0.006, 296.813



Achromatomaly
42, 36.685, 341.576

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 77.460, 347.275 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(220, 32, 150)` looks like.

```
.text, #text, p{  
    color:rgb(220, 32, 150)  
}
```

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(220, 32, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 32, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 77.460, 347.275 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(220, 32, 150) }
```

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

```
.border{ border-color:rgb(220, 32, 150) }
```

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

Here you see how a box with a 4 pixel rgb(220, 32, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 32, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 32, 150);  
box-shadow:4px 4px 4px 4px rgb(220, 32,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 77.460, 347.275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 32, 150) }
```

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

```
.background{ background-color: rgb(220, 32,  
150) }
```

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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