

Converting Colors

CIELCh(50, 70.526, 3.807)

Have a look what the booklet for
CIELCh(50, 70.526, 3.807) contains.

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Color

CIELCh(50, 70.663, 3.769)

Conversions

Conversions Part 1

Format	Color
Hex	DE2A72
RGB	222, 42, 114
RGB Percent	87%, 16%, 45%
CMY	0.1291, 0.8349, 0.5527
CMYK	0.00, 0.81, 0.49, 0.13
HSL	336°, 73%, 52%
HSV	336°, 81%, 87%
XYZ	34.0163, 18.4187, 17.6978
YIQ	104.0280, 84.1680, 60.5520

Conversions

Conversions Part 2

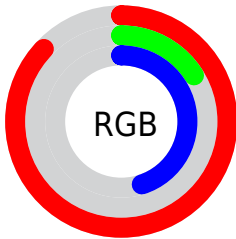
Format	Color
R_{YB}	222, 42, 114
Decimal	14559858
CIE _{Lab}	50.00, 70.51, 4.64
CIE _{LCh}	50, 70.663, 3.769
Yxy	18.4187, 0.4850, 0.2626
Android (android.graphics.Color)	4292749938 (0xFFDE2A72)
YUV	104.0280, 4.9162, 103.4614
Hunter-Lab	42.9170, 66.3759, 5.5923

Details

The CIELCh color **50, 70.663, 3.769** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **79, 63.954, 158.651**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 61.816, 357.364**, and **34, 59.945, 9.516** is the 20% darker color. If you saturate the color by 10%, you get **48, 74.345, 7.954**, and if you desaturate by 10%, it is **53, 65.091, 0.461**.

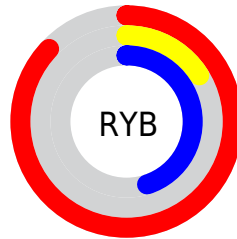
Distribution



Red (87%)

Green (16%)

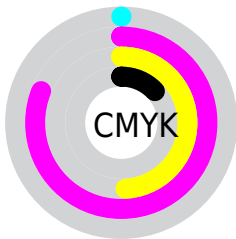
Blue (45%)



Red (87%)

Yellow (16%)

Blue (45%)

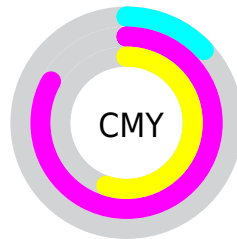


Cyan (0%)

Magenta (81%)

Yellow (49%)

Black (13%)



Cyan (13%)

Magenta (83%)







Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 70.663, 3.769 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, 70.663, 3.769 by changing the saturation by 10% instead.

 50, 70.663, 3.769	 50, 70.663, 3.769
 100, 70.663, 3.769	 40, 70.663, 3.769
 70, 70.663, 3.769	 30, 70.663, 3.769
 80, 70.663, 3.769	 20, 70.663, 3.769
 90, 70.663, 3.769	 10, 70.663, 3.769
	 0, 70.663, 3.769

 50, 70.663, 3.769	 50, 70.663, 3.769
 48, 74.345, 7.954	 53, 65.091, 0.461
 47, 76.503, 12.387	 56, 57.795, 357.856

61, 49.197,
355.778

65, 39.786,
354.086

71, 29.992,
352.673

76, 20.131,
351.463

82, 10.416,
350.397

88, 0.970, 349.026

94, 8.143, 168.752

Harmonies

Complementary

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



50, 70.663, 3.769



79, 63.954, 158.651

Rectangle

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



50, 70.663, 3.769



50, 70.663, 53.769



50, 70.663, 183.769



50, 70.663, 233.769

Sweetspot

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



50, 70.659, 3.770



84, 25.783, 351.826



43, 100.075, 315.239



43, 17.776, 352.259



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, 70.659, 3.770



55, 84.270, 11.287



51, 77.564, 37.770



44, 5.390, 350.235



37, 64.183, 11.484



6, 25.688, 1.753

Inverse Universe

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



50, 70.659, 3.770



55, 84.270, 11.287



75, 38.916, 211.457



44, 5.390, 350.235



37, 64.183, 11.484



6, 25.688, 1.753

Previews

White Background



This preview shows how the CIELCh color 50, 70.663, 3.769 looks on a white background.

Color Contrast Check

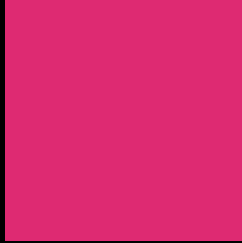
Large Text (above 18pt) WCAG AA ✓ Pass

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, 70.663, 3.769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

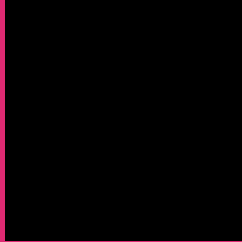
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 70.663, 3.769

Background



This preview shows how black text looks on a background with the CIELCh color 50, 70.663, 3.769.



This preview shows how white text looks on a background with the CIELCh color 50, 70.663, 3.769.

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, 70.663, 3.769

Protanopia

50, 22.306, 285.890

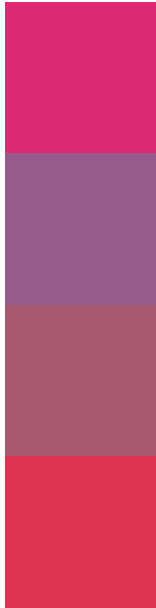
Deuteranopia

50, 10.768, 52.751



Tritanopia
50, 71.946, 30.926

Trichromacy



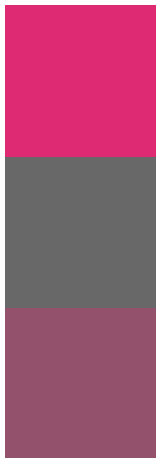
Original Color
50, 70.663, 3.769

Protanomaly
47, 37.415, 331.765

Deuteranomaly
47, 34.766, 5.454

Tritanomaly
50, 69.560, 21.067

Monochromacy



Original Color
50, 70.663, 3.769

Achromatopsia
44, 0.006, 296.813

Achromatomaly
43, 31.216, 353.866

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 70.663, 3.769 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(222, 42, 114)` looks like.

```
.text, #text, p{  
    color:rgb(222, 42, 114)  
}
```

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(222, 42, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 42, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 70.663, 3.769 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(222, 42, 114) }
```

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

```
.border{ border-color:rgb(222, 42, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 42, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 42, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 42, 114);  
box-shadow:4px 4px 4px 4px rgb(222, 42,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 70.663, 3.769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 42, 114) }
```

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

```
.background{ background-color: rgb(222, 42,  
114) }
```

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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