

Converting Colors

CIELCh(50, 73.359, 0.900)

Have a look what the booklet for
CIELCh(50, 73.359, 0.900) contains.

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Color

CIELCh(50, 73.255, 0.741)

Conversions

Conversions Part 1

Format	Color
Hex	E02278
RGB	224, 34, 120
RGB Percent	88%, 13%, 47%
CMY	0.1205, 0.8650, 0.5286
CMYK	0.00, 0.85, 0.46, 0.12
HSL	333°, 76%, 51%
HSV	333°, 85%, 88%
XYZ	34.8097, 18.4187, 19.5580
YIQ	100.6140, 85.6340, 67.0260

Conversions

Conversions Part 2

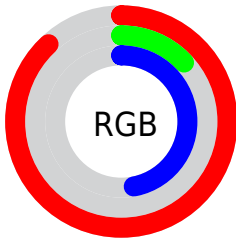
Format	Color
R_{YB}	224, 34, 120
Decimal	14688888
CIE _{Lab}	50.00, 73.25, 0.95
CIE _{LCh}	50, 73.255, 0.741
Yxy	18.4187, 0.4782, 0.2531
Android (android.graphics.Color)	4292878968 (0xFFE02278)
YUV	100.6140, 9.5573, 108.2095
Hunter-Lab	42.9170, 69.6757, 3.0223

Details

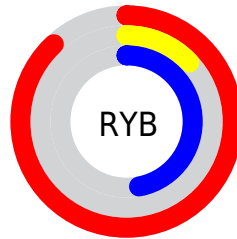
The CIELCh color **50, 73.255, 0.741** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **79, 70.001, 154.819**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 64.086, 353.983**, and **34, 60.129, 6.819** is the 20% darker color. If you saturate the color by 10%, you get **49, 75.760, 4.832**, and if you desaturate by 10%, it is **52, 68.694, 357.503**.

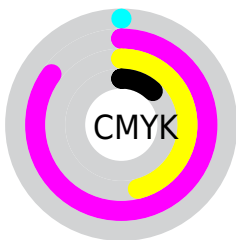
Distribution



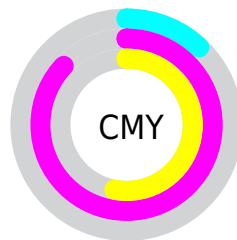
- Red (88%)
- Green (13%)
- Blue (47%)



- Red (88%)
- Yellow (13%)
- Blue (47%)



- Cyan (0%)
- Magenta (85%)
- Yellow (46%)
- Black (12%)









- Cyan (12%)
- Magenta (87%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 73.255, 0.741 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, 73.255, 0.741 by changing the saturation by 10% instead.

 50, 73.255, 0.741	 50, 73.255, 0.741
 100, 73.255, 0.741	 40, 73.255, 0.741
 70, 73.255, 0.741	 30, 73.255, 0.741
 80, 73.255, 0.741	 20, 73.255, 0.741
 90, 73.255, 0.741	 10, 73.255, 0.741
	 0, 73.255, 0.741

 50, 73.255, 0.741	 50, 73.255, 0.741
 49, 75.760, 4.832	 52, 68.694, 357.503
 48, 76.620, 7.295	 56, 62.126, 354.951

60, 53.936,
352.914

64, 44.642,
351.253

69, 34.728,
349.861

75, 24.576,
348.667

81, 14.453,
347.615

87, 4.525, 346.623

92, 5.111, 165.986

Harmonies

Complementary

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



50, 73.255, 0.741



79, 70.001, 154.819

Rectangle

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



50, 73.255, 0.741



50, 73.255, 50.741



50, 73.255, 180.741



50, 73.255, 230.741

Sweetspot

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



50, 73.251, 0.742



84, 27.677, 348.727



41, 104.507, 313.357



42, 18.929, 349.133



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, 73.251, 0.742



55, 84.440, 7.681



49, 83.889, 36.540



44, 5.567, 347.105



37, 63.912, 6.439



6, 26.011, 358.220

Inverse Universe

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



50, 73.251, 0.742



55, 84.440, 7.681



80, 42.396, 201.195



44, 5.567, 347.105



37, 63.912, 6.439



6, 26.011, 358.220

Previews

White Background



This preview shows how the CIELCh color 50, 73.255, 0.741 looks on a white background.

Color Contrast Check

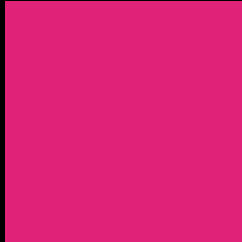
Large Text (above 18pt) WCAG AA ✓ Pass

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 50, 73.255, 0.741 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

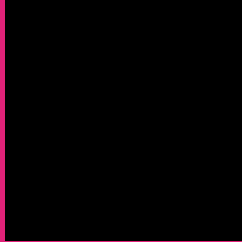
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 73.255, 0.741

Background



This preview shows how black text looks on a background with the CIELCh color 50, 73.255, 0.741.



This preview shows how white text looks on a background with the CIELCh color 50, 73.255, 0.741.

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, 73.255, 0.741

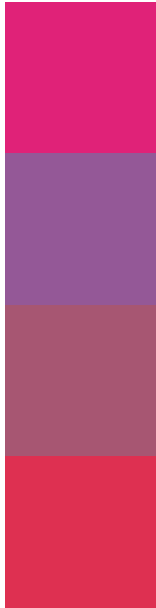
Protanopia
50, 29.353, 285.575

Deuteranopia
50, 8.115, 41.067



Tritanopia
50, 73.656, 31.367

Trichromacy



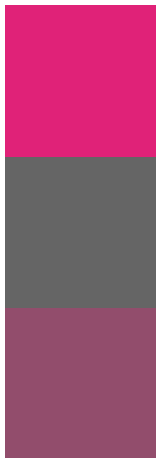
Original Color
50, 73.255, 0.741

Protanomaly
46, 42.631, 325.204

Deuteranomaly
47, 36.470, 358.920

Tritanomaly
50, 71.029, 20.139

Monochromacy



Original Color
50, 73.255, 0.741

Achromatopsia
43, 0.006, 296.813

Achromatomaly
42, 33.241, 351.599

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 73.255, 0.741 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(224, 34, 120)` looks like.

```
.text, #text, p{  
    color:rgb(224, 34, 120)  
}
```

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(224, 34, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 34, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 73.255, 0.741 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(224, 34, 120) }
```

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

```
.border{ border-color:rgb(224, 34, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 34, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 34, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 34, 120);  
box-shadow:4px 4px 4px 4px rgb(224, 34,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 73.255, 0.741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 34, 120) }
```

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

```
.background{ background-color: rgb(224, 34,  
120) }
```

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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