

Converting Colors

CIELCh(48, 75.298, 340.001)

Have a look what the booklet for
CIELCh(48, 75.298, 340.001)
contains.

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Color

CIELCh(48, 75.426, 339.955)

Conversions

Conversions Part 1

Format	Color
Hex	CB299F
RGB	203, 41, 159
RGB Percent	80%, 16%, 62%
CMY	0.2038, 0.8390, 0.3764
CMYK	0.00, 0.80, 0.22, 0.20
HSL	316°, 66%, 48%
HSV	316°, 80%, 80%
XYZ	31.6929, 16.7945, 34.3858
YIQ	102.8900, 58.6740, 71.0420

Conversions

Conversions Part 2

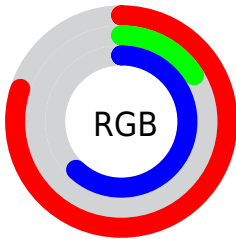
Format	Color
R_{YB}	203, 41, 159
Decimal	13314463
CIE _{Lab}	48.00, 70.86, -25.85
CIE _{LCh}	48, 75.426, 339.955
Yxy	16.7945, 0.3824, 0.2027
Android (android.graphics.Color)	4291504543 (0xFFCB299F)
YUV	102.8900, 27.6622, 87.7965
Hunter-Lab	40.9810, 66.3269, -21.0615

Details

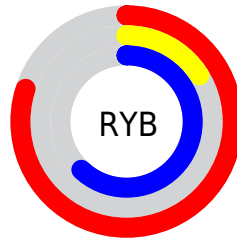
The CIELCh color **48, 75.426, 339.955** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark muted rose. A complement of this color would be **72, 79.460, 143.889**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 74.218, 337.839**, and **32, 62.280, 341.488** is the 20% darker color. If you saturate the color by 10%, you get **46, 78.314, 341.325**, and if you desaturate by 10%, it is **50, 70.123, 338.792**.

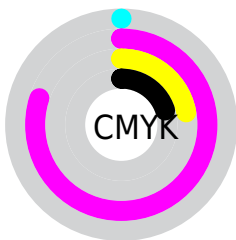
Distribution



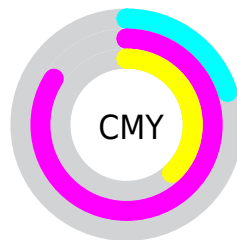
- Red (80%)
- Green (16%)
- Blue (62%)



- Red (80%)
- Yellow (16%)
- Blue (62%)



- Cyan (0%)
- Magenta (80%)
- Yellow (22%)
- Black (20%)





- Cyan (20%)
- Magenta (84%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 75.426, 339.955 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 48, 75.426, 339.955 by changing the saturation by 10% instead.


 48, 75.426,
339.955


 48, 75.426,
339.955


 100, 75.426,
339.955


 38, 75.426,
339.955

 68, 75.426,
339.955


 28, 75.426,
339.955

 78, 75.426,
339.955

 18, 75.426,
339.955

 88, 75.426,
339.955

 8, 75.426, 339.955

 98, 75.426,
339.955

 0, 75.426, 339.955

 48, 75.426,

 48, 75.426,

339.955

■ 46, 78.314,
341.325

■ 45, 79.100,
342.932

■ 45, 79.111,
342.968

339.955

■ 50, 70.123,
338.792

■ 54, 62.717,
337.776

■ 57, 53.696,
336.862

■ 62, 43.579,
336.022

■ 66, 32.823,
335.236

■ 71, 21.782,
334.494

■ 76, 10.709,
333.782

■ 82, 0.232, 154.591

■ 87, 10.939,
152.560

Harmonies

Complementary

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



48, 75.426, 339.955



72, 79.460, 143.889

Rectangle

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



48, 75.426, 339.955



48, 75.426, 29.955



48, 75.426, 159.955



48, 75.426, 209.955

Sweetspot

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



48, 75.423, 339.955



85, 31.836, 334.827



34, 95.626, 307.420



43, 21.872, 335.096



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



48, 75.423, 339.955



57, 93.701, 342.527



45, 66.134, 17.038



40, 6.234, 333.755



37, 68.220, 342.694



5, 23.254, 339.123

Inverse Universe

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



48, 75.423, 339.955



57, 93.701, 342.527



73, 49.371, 171.236



40, 6.234, 333.755



37, 68.220, 342.694



5, 23.254, 339.123

Previews

White Background



This preview shows how the CIELCh color 48, 75.426, 339.955 looks on a white background.

Color Contrast Check

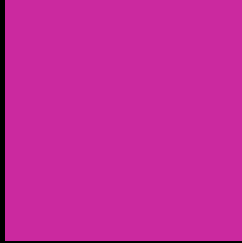
Large Text (above 18pt) WCAG AA ✓ Pass

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 48, 75.426, 339.955 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

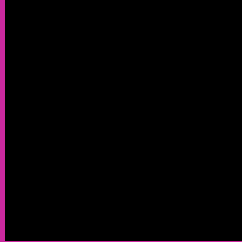
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 75.426, 339.955

Background



This preview shows how black text looks on a background with the CIELCh color 48, 75.426, 339.955.

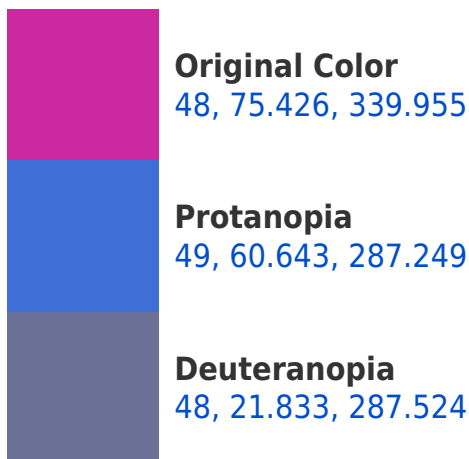


This preview shows how white text looks on a background with the CIELCh color 48, 75.426, 339.955.

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](#).

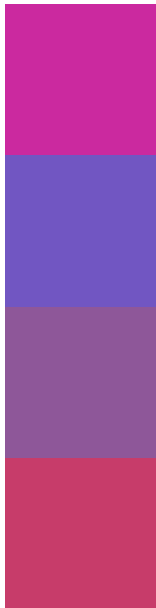
Dichromacy





Tritanopia
48, 55.736, 25.714

Trichromacy



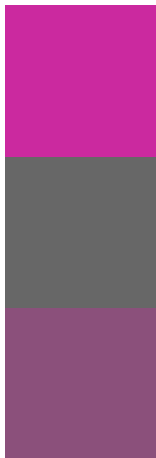
Original Color
48, 75.426, 339.955

Protanomaly
44, 64.535, 304.737

Deuteranomaly
45, 43.423, 321.668

Tritanomaly
48, 58.270, 5.354

Monochromacy



Original Color
48, 75.426, 339.955

Achromatopsia
44, 0.006, 296.813

Achromatomaly
42, 34.097, 336.119

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 75.426, 339.955 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(203, 41, 159)` looks like.

```
.text, #text, p{  
    color:rgb(203, 41, 159)  
}
```

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(203, 41, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 41, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 75.426, 339.955 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(203, 41, 159) }
```

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

```
.border{ border-color:rgb(203, 41, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 41, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 41, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 41, 159);  
box-shadow:4px 4px 4px 4px rgb(203, 41,  
159) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 75.426, 339.955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 41, 159) }
```

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

```
.background{ background-color: rgb(203, 41,  
159) }
```

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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