

Converting Colors

CIELCh(48, 76.176, 339.035)

Have a look what the booklet for
CIELCh(48, 76.176, 339.035)
contains.

CIELCh(48, 76.031, 339.275)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(48, 76.031, 339.275)

Conversions

Conversions Part 1

Format	Color
Hex	CB29A1
RGB	203, 41, 161
RGB Percent	80%, 16%, 63%
CMY	0.2048, 0.8404, 0.3694
CMYK	0.00, 0.80, 0.21, 0.20
HSL	316°, 67%, 48%
HSV	316°, 80%, 80%
XYZ	31.7626, 16.7945, 35.1897
YIQ	103.1180, 58.0320, 71.6640

Conversions

Conversions Part 2

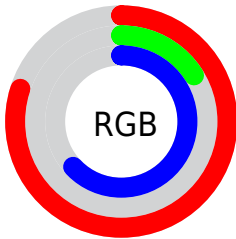
Format	Color
R_{YB}	203, 41, 161
Decimal	13314465
CIE _{Lab}	48.00, 71.11, -26.91
CIE _{LCh}	48, 76.031, 339.275
Yxy	16.7945, 0.3793, 0.2005
Android (android.graphics.Color)	4291504545 (0xFFFCB29A1)
YUV	103.1180, 28.5358, 87.5965
Hunter-Lab	40.9810, 66.6306, -22.2246

Details

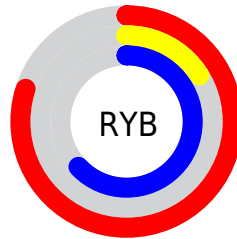
The CIELCh color **48, 76.031, 339.275** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle muted rose. A complement of this color would be **72, 80.232, 143.449**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 74.382, 337.258**, and **32, 62.880, 340.581** is the 20% darker color. If you saturate the color by 10%, you get **46, 78.919, 340.566**, and if you desaturate by 10%, it is **50, 70.720, 338.170**.

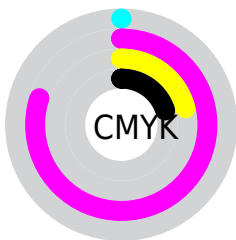
Distribution



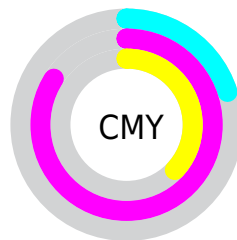
- Red (80%)
- Green (16%)
- Blue (63%)



- Red (80%)
- Yellow (16%)
- Blue (63%)



- Cyan (0%)
- Magenta (80%)
- Yellow (21%)
- Black (20%)





- Cyan (20%)
- Magenta (84%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 76.031, 339.275 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 48, 76.031, 339.275 by changing the saturation by 10% instead.


 48, 76.031,
339.275


 48, 76.031,
339.275


 100, 76.031,
339.275


 38, 76.031,
339.275

 68, 76.031,
339.275


 28, 76.031,
339.275

 78, 76.031,
339.275

 18, 76.031,
339.275

 88, 76.031,
339.275

 8, 76.031, 339.275

 98, 76.031,
339.275

 0, 76.031, 339.275

 48, 76.031,

 48, 76.031,

339.275

■ 46, 78.919,
340.566

■ 45, 79.719,
342.071

■ 45, 79.723,
342.082

339.275

■ 50, 70.720,
338.170

■ 54, 63.293,
337.197

■ 57, 54.234,
336.315

■ 62, 44.062,
335.498

■ 66, 33.238,
334.730

■ 71, 22.119,
334.001

■ 76, 10.959,
333.299

■ 82, 0.072, 157.257

■ 87, 10.871,
152.089

Harmonies

Complementary

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



48, 76.031, 339.275



72, 80.232, 143.449

Rectangle

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



48, 76.031, 339.275



48, 76.031, 29.275



48, 76.031, 159.275



48, 76.031, 209.275

Sweetspot

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



48, 76.028, 339.275



85, 32.118, 334.317



33, 95.848, 307.130



43, 22.064, 334.582



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, 76.028, 339.275



57, 94.510, 341.671



45, 65.869, 15.729



40, 6.291, 333.262



37, 68.808, 341.828



5, 23.493, 338.421

Inverse Universe

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



48, 76.028, 339.275



57, 94.510, 341.671



73, 50.258, 169.790



40, 6.291, 333.262



37, 68.808, 341.828



5, 23.493, 338.421

Previews

White Background



This preview shows how the CIELCh color 48, 76.031, 339.275 looks on a white background.

Color Contrast Check

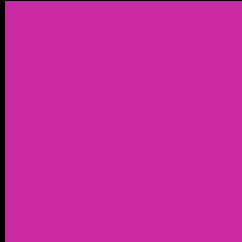
Large Text (above 18pt) WCAG AA ✓ Pass

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, 76.031, 339.275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

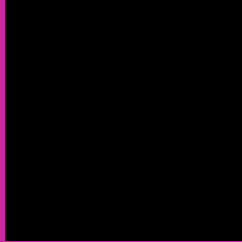
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 76.031, 339.275

Background



This preview shows how black text looks on a background with the CIELCh color 48, 76.031, 339.275.

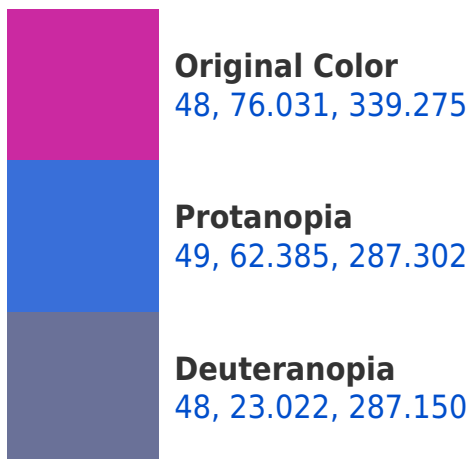


This preview shows how white text looks on a background with the CIELCh color 48, 76.031, 339.275.

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





Tritanopia
48, 55.435, 26.105

Trichromacy



Original Color
48, 76.031, 339.275



Protanomaly
44, 66.828, 304.170



Deuteranomaly
45, 44.289, 320.489



Tritanomaly
48, 57.633, 4.762

Monochromacy



Original Color
48, 76.031, 339.275



Achromatopsia
44, 0.006, 296.813



Achromatomaly
42, 34.488, 335.400

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 76.031, 339.275 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(203, 41, 161)` looks like.

```
.text, #text, p{  
    color:rgb(203, 41, 161)  
}
```

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, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 41, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 76.031, 339.275 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(203, 41, 161) }
```

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

```
.border{ border-color:rgb(203, 41, 161) }
```

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, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 41, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 41, 161);  
box-shadow:4px 4px 4px 4px rgb(203, 41,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 76.031, 339.275 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, 161) }
```

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

```
.background{ background-color: rgb(203, 41,  
161) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor