

Converting Colors

CIELCh(48, 64.839, 0.177)

Have a look what the booklet for
CIELCh(48, 64.839, 0.177) contains.

CIELCh(48, 64.897, 0.068)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(48, 64.897, 0.068)

Conversions

Conversions Part 1

Format	Color
Hex	CF3174
RGB	207, 49, 116
RGB Percent	81%, 19%, 45%
CMY	0.1872, 0.8066, 0.5442
CMYK	0.00, 0.76, 0.44, 0.19
HSL	335°, 62%, 50%
HSV	335°, 76%, 81%
XYZ	30.0864, 16.7945, 18.2480
YIQ	103.8800, 72.6610, 54.3330

Conversions

Conversions Part 2

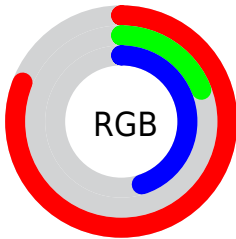
Format	Color
R_{YB}	207, 49, 116
Decimal	13578612
CIE _{Lab}	48.00, 64.90, 0.08
CIE _{LCh}	48, 64.897, 0.068
Yxy	16.7945, 0.4620, 0.2579
Android (android.graphics.Color)	4291768692 (0xFFCF3174)
YUV	103.8800, 5.9752, 90.4362
Hunter-Lab	40.9810, 59.3298, 2.2861

Details

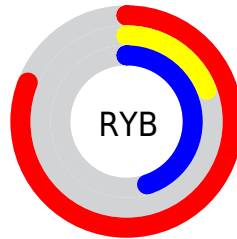
The CIELCh color **48, 64.897, 0.068** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted rose. A complement of this color would be **74, 59.524, 158.237**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 60.736, 357.012**, and **31, 56.032, 4.666** is the 20% darker color. If you saturate the color by 10%, you get **46, 69.118, 3.596**, and if you desaturate by 10%, it is **51, 58.850, 357.291**.

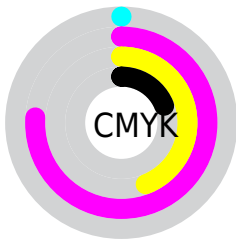
Distribution



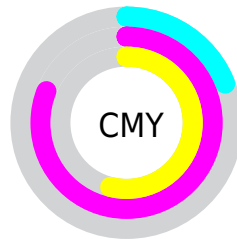
- Red (81%)
- Green (19%)
- Blue (45%)



- Red (81%)
- Yellow (19%)
- Blue (45%)



- Cyan (0%)
- Magenta (76%)
- Yellow (44%)
- Black (19%)










- Cyan (19%)
- Magenta (81%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 64.897, 0.068 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, 64.897, 0.068 by changing the saturation by 10% instead.

 48, 64.897, 0.068	 48, 64.897, 0.068
 100, 64.897, 0.068	 38, 64.897, 0.068
 68, 64.897, 0.068	 28, 64.897, 0.068
 78, 64.897, 0.068	 18, 64.897, 0.068
 88, 64.897, 0.068	 8, 64.897, 0.068
 98, 64.897, 0.068	 0, 64.897, 0.068

 48, 64.897, 0.068	 48, 64.897, 0.068
 46, 69.118, 3.596	 51, 58.850, 357.291
 45, 71.572, 8.014	
 44, 72.344, 9.813	 55, 51.306, 355.085

■ 59, 42.722,
353.299

■ 64, 33.549,
351.818

■ 69, 24.147,
350.558

■ 74, 14.768,
349.459

■ 80, 5.574, 348.451

■ 85, 3.344, 167.808

■ 91, 11.943,
166.939

Harmonies

Complementary

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



48, 64.897, 0.068



74, 59.524, 158.237

Rectangle

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



48, 64.897, 0.068



48, 64.897, 50.068



48, 64.897, 180.068



48, 64.897, 230.068

Sweetspot

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



48, 64.894, 0.069



85, 25.007, 350.222



42, 90.978, 314.356



43, 17.367, 350.644



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, 64.894, 0.069



55, 82.713, 6.088



48, 69.691, 35.110



41, 5.159, 348.774



36, 61.907, 8.996



5, 21.156, 358.721

Inverse Universe

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



48, 64.894, 0.069



55, 82.713, 6.088



73, 37.242, 205.714



41, 5.159, 348.774



36, 61.907, 8.996



5, 21.156, 358.721

Previews

White Background



This preview shows how the CIELCh color 48, 64.897, 0.068 looks on a white background.

Color Contrast Check

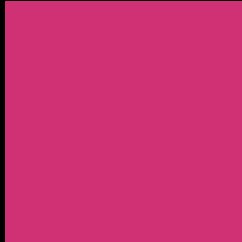
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 48, 64.897, 0.068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

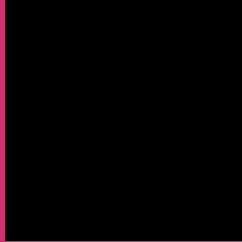
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 64.897, 0.068

Background



This preview shows how black text looks on a background with the CIELCh color 48, 64.897, 0.068.

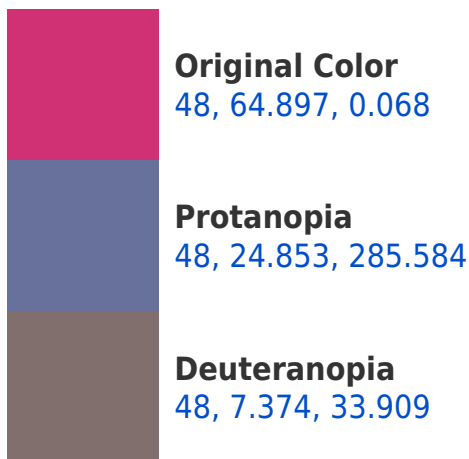


This preview shows how white text looks on a background with the CIELCh color 48, 64.897, 0.068.

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](#).

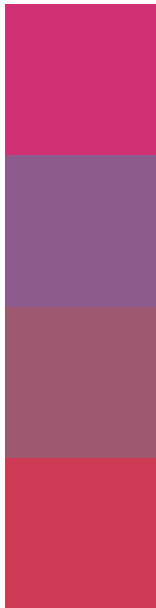
Dichromacy





Tritanopia
48, 63.337, 28.735

Trichromacy



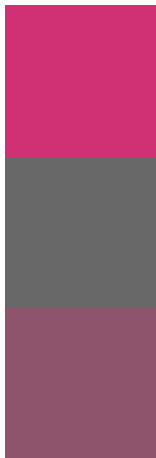
Original Color
48, 64.897, 0.068

Protanomaly
45, 35.536, 326.327

Deuteranomaly
46, 30.746, 359.538

Tritanomaly
48, 61.930, 18.309

Monochromacy



Original Color
48, 64.897, 0.068

Achromatopsia
44, 0.006, 296.813

Achromatomaly
43, 27.686, 352.938

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 64.897, 0.068 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(207, 49, 116)` looks like.

```
.text, #text, p{  
    color:rgb(207, 49, 116)  
}
```

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(207, 49, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 49, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 64.897, 0.068 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(207, 49, 116) }
```

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

```
.border{ border-color:rgb(207, 49, 116) }
```

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

Here you see how a box with a 4 pixel rgb(207, 49, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 49, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 49, 116);  
box-shadow:4px 4px 4px 4px rgb(207, 49,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 64.897, 0.068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 49, 116) }
```

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

```
.background{ background-color: rgb(207, 49,  
116) }
```

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