

Converting Colors

CIELCh(48, 65.010, 0.451)

Have a look what the booklet for
CIELCh(48, 65.010, 0.451) contains.

CIELCh(48, 65.165, 0.322)	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, 65.165, 0.322)

Conversions

Conversions Part 1

Format	Color
Hex	D03174
RGB	208, 49, 116
RGB Percent	82%, 19%, 45%
CMY	0.1854, 0.8091, 0.5460
CMYK	0.00, 0.77, 0.44, 0.19
HSL	335°, 63%, 50%
HSV	335°, 77%, 81%
XYZ	30.1572, 16.7945, 18.1048
YIQ	104.1790, 73.2570, 54.5450

Conversions

Conversions Part 2

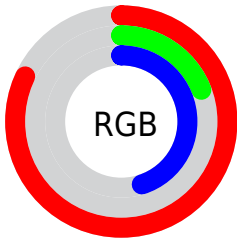
Format	Color
R_{YB}	208, 49, 116
Decimal	13644148
CIE _{Lab}	48.00, 65.16, 0.37
CIE _{LCh}	48, 65.165, 0.322
Yxy	16.7945, 0.4636, 0.2582
Android (android.graphics.Color)	4291834228 (0xFFD03174)
YUV	104.1790, 5.8278, 91.0510
Hunter-Lab	40.9810, 59.6381, 2.4932

Details

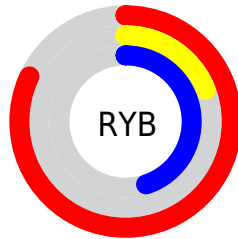
The CIELCh color **48, 65.165, 0.322** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted rose. A complement of this color would be **75, 59.716, 158.270**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 60.736, 357.012**, and **31, 56.299, 4.992** is the 20% darker color. If you saturate the color by 10%, you get **46, 69.337, 3.895**, and if you desaturate by 10%, it is **51, 59.164, 357.510**.

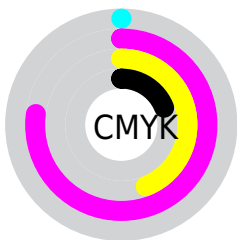
Distribution



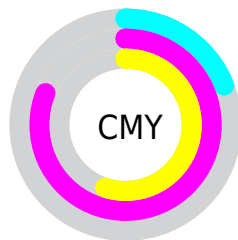
- Red (82%)
- Green (19%)
- Blue (45%)



- Red (82%)
- Yellow (19%)
- Blue (45%)



- Cyan (0%)
- Magenta (77%)
- Yellow (44%)
- Black (19%)






















- Cyan (19%)
- Magenta (81%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 65.165, 0.322 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, 65.165, 0.322 by changing the saturation by 10% instead.

 48, 65.165, 0.322	 48, 65.165, 0.322
 100, 65.165, 0.322	 38, 65.165, 0.322
 68, 65.165, 0.322	 28, 65.165, 0.322
 78, 65.165, 0.322	 18, 65.165, 0.322
 88, 65.165, 0.322	 8, 65.165, 0.322
 98, 65.165, 0.322	 0, 65.165, 0.322

 48, 65.165, 0.322	 48, 65.165, 0.322
 46, 69.337, 3.895	 51, 59.164, 357.510
 45, 71.763, 8.357	
 44, 72.475, 9.992	 55, 51.651, 355.278

■ 59, 43.083,
353.474

■ 64, 33.912,
351.978

■ 69, 24.503,
350.709

■ 74, 15.111,
349.603

■ 80, 5.902, 348.593

■ 85, 3.032, 167.955

■ 91, 11.647,
167.070

Harmonies

Complementary

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



48, 65.165, 0.322



75, 59.716, 158.270

Rectangle

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



48, 65.165, 0.322



48, 65.165, 50.322



48, 65.165, 180.322



48, 65.165, 230.322

Sweetspot

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



48, 65.162, 0.323



85, 24.983, 350.330



42, 91.456, 314.356



43, 17.351, 350.752



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, 65.162, 0.323



55, 82.972, 6.710



48, 70.170, 35.209



41, 5.154, 348.879



36, 61.916, 9.164



5, 21.143, 358.826

Inverse Universe

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



48, 65.162, 0.323



55, 82.972, 6.710



73, 37.368, 205.737



41, 5.154, 348.879



36, 61.916, 9.164



5, 21.143, 358.826

Previews

White Background



This preview shows how the CIELCh color 48, 65.165, 0.322 looks on a white background.

Color Contrast Check

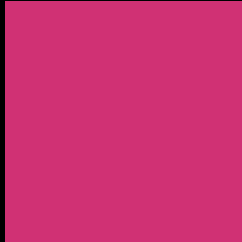
Large Text (above 18pt) WCAG AA ✓ Pass

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, 65.165, 0.322 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, 65.165, 0.322

Background



This preview shows how black text looks on a background with the CIELCh color 48, 65.165, 0.322.



This preview shows how white text looks on a background with the CIELCh color 48, 65.165, 0.322.

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

48, 65.165, 0.322

Protanopia

48, 24.276, 285.292

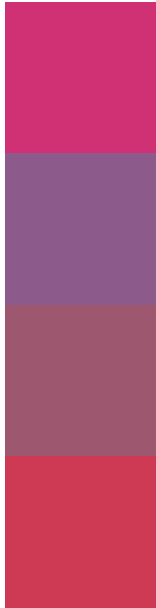
Deuteranopia

48, 7.374, 33.909



Tritanopia
48, 64.224, 28.973

Trichromacy



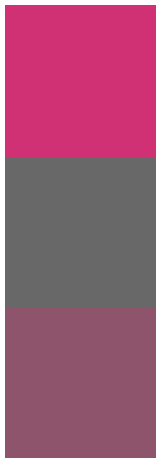
Original Color
48, 65.165, 0.322

Protanomaly
45, 35.074, 326.877

Deuteranomaly
46, 31.305, 358.950

Tritanomaly
48, 62.705, 18.736

Monochromacy



Original Color
48, 65.165, 0.322

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, 65.165, 0.322 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(208, 49, 116)` looks like.

```
.text, #text, p{  
    color:rgb(208, 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(208, 49, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 49, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 65.165, 0.322 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(208, 49, 116) }
```

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

```
.border{ border-color:rgb(208, 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(208, 49, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 49, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 49, 116);  
box-shadow:4px 4px 4px 4px rgb(208, 49,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 65.165, 0.322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 49, 116) }
```

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

```
.background{ background-color: rgb(208, 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