

Converting Colors

CIELCh(48, 88.371, 335.827)

Have a look what the booklet for
CIELCh(48, 88.371, 335.827)
contains.

CIELCh(48, 88.202, 335.733)	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, 88.202, 335.733)

Conversions

Conversions Part 1

Format	Color
Hex	D200B1
RGB	210, 0, 177
RGB Percent	82%, 0%, 69%
CMY	0.1777, 1.0000, 0.3070
CMYK	0.00, 1.00, 0.16, 0.18
HSL	309°, 100%, 41%
HSV	309°, 100%, 82%
XYZ	34.3849, 16.7945, 42.8772
YIQ	82.9680, 68.3430, 99.5670

Conversions

Conversions Part 2

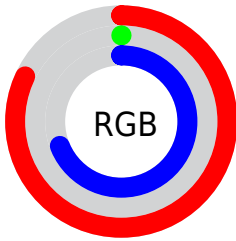
Format	Color
R_{YB}	210, 0, 177
Decimal	13762737
CIE _{Lab}	48.00, 80.41, -36.25
CIE _{LCh}	48, 88.202, 335.733
Yxy	16.7945, 0.3656, 0.1786
Android (android.graphics.Color)	4291952817 (0xFFD200B1)
YUV	82.9680, 46.3578, 111.4071
Hunter-Lab	40.9810, 78.0527, -33.3466

Details

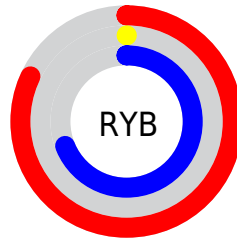
The CIELCh color **48, 88.202, 335.733** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **74, 99.407, 137.623**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 86.202, 332.295**, and **34, 68.104, 336.416** is the 20% darker color. If you saturate the color by 10%, you get **48, 88.099, 335.738**, and if you desaturate by 10%, it is **49, 86.951, 334.945**.

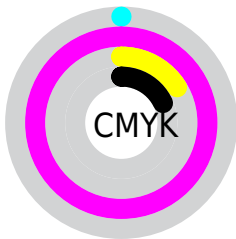
Distribution



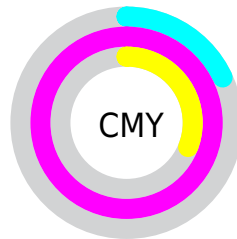
- Red (82%)
- Green (0%)
- Blue (69%)



- Red (82%)
- Yellow (0%)
- Blue (69%)



- Cyan (0%)
- Magenta (100%)
- Yellow (16%)
- Black (18%)





- Cyan (18%)
- Magenta (100%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 88.202, 335.733 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, 88.202, 335.733 by changing the saturation by 10% instead.


 48, 88.202,
335.733


 48, 88.202,
335.733


 100, 88.202,
335.733


 38, 88.202,
335.733

 68, 88.202,
335.733


 28, 88.202,
335.733

 78, 88.202,
335.733

 18, 88.202,
335.733


 88, 88.202,
335.733

 8, 88.202, 335.733

 98, 88.202,
335.733

 0, 88.202, 335.733

 48, 88.202,

 48, 88.202,

335.733

335.733

■ 48, 88.099,
335.738

■ 49, 86.951,
334.945

■ 50, 83.614,
334.213

■ 53, 77.742,
333.527

■ 56, 69.617,
332.863

■ 60, 59.724,
332.209

■ 64, 48.599,
331.561

■ 68, 36.728,
330.918

■ 73, 24.499,
330.283

■ 79, 12.196,
329.654

Harmonies

Complementary

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



48, 88.202, 335.733



74, 99.407, 137.623

Rectangle

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



48, 88.202, 335.733



48, 88.202, 25.733



48, 88.202, 155.733



48, 88.202, 205.733

Sweetspot

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



48, 88.099, 335.738



82, 43.041, 330.940



27, 114.437, 306.843



41, 29.295, 331.213



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, 88.099, 335.738



58, 101.966, 335.838



44, 74.263, 16.994



41, 6.901, 329.616



38, 74.937, 335.603



5, 27.561, 333.702

Inverse Universe

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



48, 88.099, 335.738



58, 101.966, 335.838



75, 65.081, 157.901



41, 6.901, 329.616



38, 74.937, 335.603



5, 27.561, 333.702

Previews

White Background



This preview shows how the CIELCh color 48, 88.202, 335.733 looks on a white background.

Color Contrast Check

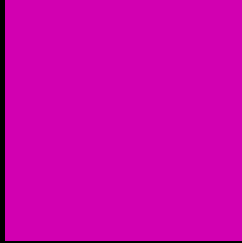
Large Text (above 18pt) WCAG AA ✓ Pass

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, 88.202, 335.733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

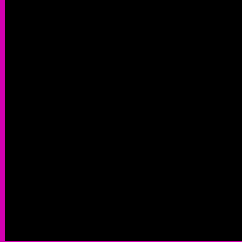
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 88.202, 335.733

Background



This preview shows how black text looks on a background with the CIELCh color 48, 88.202, 335.733.



This preview shows how white text looks on a background with the CIELCh color 48, 88.202, 335.733.

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, 88.202, 335.733

Protanopia

49, 73.867, 287.570

Deuteranopia

49, 30.250, 283.108



Tritanopia
49, 58.490, 26.829

Trichromacy



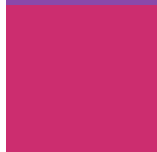
Original Color
48, 88.202, 335.733



Protanomaly
40, 86.535, 301.773



Deuteranomaly
43, 60.406, 317.084



Tritanomaly
47, 64.837, 1.279

Monochromacy



Original Color
48, 88.202, 335.733



Achromatopsia
35, 0.005, 296.813



Achromatomaly
35, 46.483, 332.672

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 88.202, 335.733 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(210, 0, 177)` looks like.

```
.text, #text, p{  
    color:rgb(210, 0, 177)  
}
```

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(210, 0, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 0, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 88.202, 335.733 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(210, 0, 177) }
```

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

```
.border{ border-color:rgb(210, 0, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 0, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 0, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 0, 177);  
box-shadow:4px 4px 4px 4px rgb(210, 0,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 88.202, 335.733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 0, 177) }
```

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

```
.background{ background-color: rgb(210, 0,  
177) }
```

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