

Converting Colors

CIELCh(48, 88.161, 336.201)

Have a look what the booklet for
CIELCh(48, 88.161, 336.201)
contains.

CIELCh(48, 87.879, 336.003)	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, 87.879, 336.003)

Conversions

Conversions Part 1

Format	Color
Hex	D200B0
RGB	210, 0, 176
RGB Percent	82%, 0%, 69%
CMY	0.1771, 1.0000, 0.3104
CMYK	0.00, 1.00, 0.16, 0.18
HSL	310°, 100%, 41%
HSV	310°, 100%, 82%
XYZ	34.3487, 16.7945, 42.4307
YIQ	82.8540, 68.6640, 99.2560

Conversions

Conversions Part 2

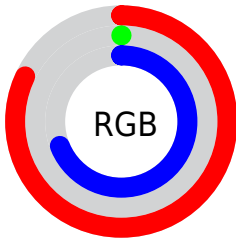
Format	Color
R_{YB}	210, 0, 176
Decimal	13762736
CIE _{Lab}	48.00, 80.28, -35.74
CIE _{LCh}	48, 87.879, 336.003
Yxy	16.7945, 0.3671, 0.1795
Android (android.graphics.Color)	4291952816 (0xFFD200B0)
YUV	82.8540, 45.9210, 111.5070
Hunter-Lab	40.9810, 77.8949, -32.7006

Details

The CIELCh color **48, 87.879, 336.003** 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, 99.273, 137.702**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 85.845, 332.536**, and **34, 67.767, 336.794** is the 20% darker color. If you saturate the color by 10%, you get **48, 87.826, 336.006**, and if you desaturate by 10%, it is **49, 86.703, 335.184**.

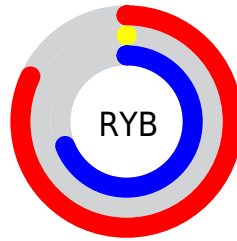
Distribution



Red (82%)

Green (0%)

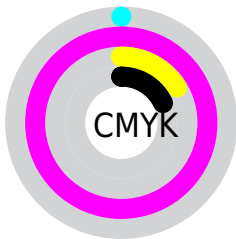
Blue (69%)



Red (82%)

Yellow (0%)

Blue (69%)

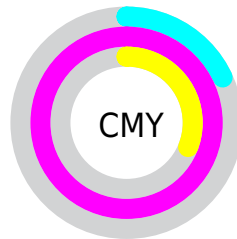


Cyan (0%)

Magenta (100%)

Yellow (16%)

Black (18%)



Cyan (18%)


Magenta (100%)

Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 87.879, 336.003 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, 87.879, 336.003 by changing the saturation by 10% instead.

 48, 87.879,
336.003


 48, 87.879,
336.003


 100, 87.879,
336.003

 38, 87.879,
336.003

 68, 87.879,
336.003


 28, 87.879,
336.003

 78, 87.879,
336.003

 18, 87.879,
336.003


 88, 87.879,
336.003

 8, 87.879, 336.003

 98, 87.879,
336.003

 0, 87.879, 336.003

 48, 87.879,

 48, 87.879,

336.003

336.003

■ 48, 87.826,
336.006

■ 49, 86.703,
335.184

■ 50, 83.389,
334.430

■ 53, 77.540,
333.726

■ 56, 69.438,
333.049

■ 60, 59.569,
332.386

■ 64, 48.471,
331.731

■ 69, 36.630,
331.083

■ 74, 24.433,
330.444

■ 79, 12.162,
329.811

Harmonies

Complementary

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



48, 87.879, 336.003



74, 99.273, 137.702

Rectangle

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



48, 87.879, 336.003



48, 87.879, 26.003



48, 87.879, 156.003



48, 87.879, 206.003

Sweetspot

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



48, 87.826, 336.006



82, 42.902, 331.104



27, 114.500, 306.843



41, 29.201, 331.380



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, 87.826, 336.006



58, 101.592, 336.109



44, 74.305, 16.997



41, 6.878, 329.774



38, 74.668, 335.866



5, 27.460, 333.909

Inverse Universe

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



48, 87.826, 336.006



58, 101.592, 336.109



75, 65.118, 157.900



41, 6.878, 329.774



38, 74.668, 335.866



5, 27.460, 333.909

Previews

White Background



This preview shows how the CIELCh color 48, 87.879, 336.003 looks on a white background.

Color Contrast Check

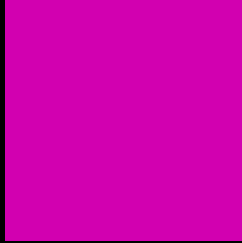
Large Text (above 18pt) WCAG AA ✓ Pass

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, 87.879, 336.003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

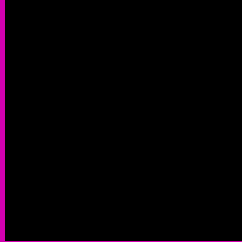
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 87.879, 336.003

Background



This preview shows how black text looks on a background with the CIELCh color 48, 87.879, 336.003.



This preview shows how white text looks on a background with the CIELCh color 48, 87.879, 336.003.

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, 87.879, 336.003

Protanopia
49, 73.867, 287.570

Deuteranopia
49, 29.638, 283.354



Tritanopia
48, 58.978, 26.998

Trichromacy



Original Color
48, 87.879, 336.003



Protanomaly
39, 85.999, 301.742



Deuteranomaly
43, 59.955, 317.613



Tritanomaly
47, 65.042, 1.652

Monochromacy



Original Color
48, 87.879, 336.003



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, 87.879, 336.003 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, 176)` looks like.

```
.text, #text, p{  
    color:rgb(210, 0, 176)  
}
```

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, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 0, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 87.879, 336.003 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, 176) }
```

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

```
.border{ border-color:rgb(210, 0, 176) }
```

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, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 0, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 0, 176);  
box-shadow:4px 4px 4px 4px rgb(210, 0,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 87.879, 336.003 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, 176) }
```

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

```
.background{ background-color: rgb(210, 0,  
176) }
```

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