

Converting Colors

CIELCh(48, 81.698, 336.729)

Have a look what the booklet for
CIELCh(48, 81.698, 336.729)
contains.

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Color

CIELCh(48, 81.763, 336.723)

Conversions

Conversions Part 1

Format	Color
Hex	CD1EAA
RGB	205, 30, 170
RGB Percent	80%, 12%, 67%
CMY	0.1963, 0.8827, 0.3335
CMYK	0.00, 0.85, 0.17, 0.20
HSL	312°, 75%, 46%
HSV	312°, 85%, 80%
XYZ	32.8729, 16.7945, 39.5127
YIQ	98.2850, 59.3600, 80.6400

Conversions

Conversions Part 2

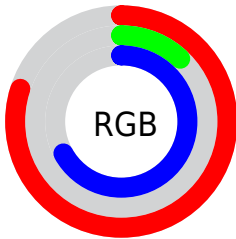
Format	Color
R _{YB}	205, 30, 170
Decimal	13442730
CIE Lab	48.00, 75.11, -32.31
CIE LCh	48, 81.763, 336.723
Yxy	16.7945, 0.3686, 0.1883
Android (android.graphics.Color)	4291632810 (0xFFCD1EAA)
YUV	98.2850, 35.3555, 93.5891
Hunter-Lab	40.9810, 71.4669, -28.4790

Details

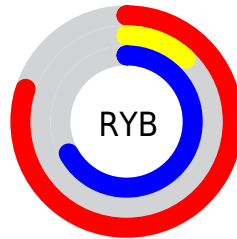
The CIELCh color **48, 81.763, 336.723** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **72, 88.082, 140.734**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 80.587, 334.173**, and **33, 65.555, 337.852** is the 20% darker color. If you saturate the color by 10%, you get **47, 83.534, 337.740**, and if you desaturate by 10%, it is **50, 77.502, 335.827**.

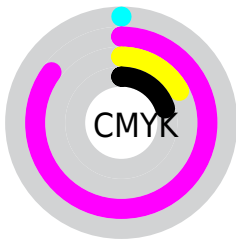
Distribution



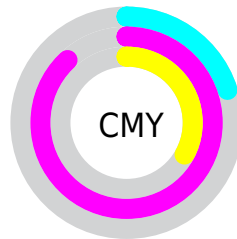
- Red (80%)
- Green (12%)
- Blue (67%)



- Red (80%)
- Yellow (12%)
- Blue (67%)



- Cyan (0%)
- Magenta (85%)
- Yellow (17%)
- Black (20%)





- Cyan (20%)
- Magenta (88%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 81.763, 336.723 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, 81.763, 336.723 by changing the saturation by 10% instead.


 48, 81.763,
336.723


 48, 81.763,
336.723


 100, 81.763,
336.723


 38, 81.763,
336.723

 68, 81.763,
336.723


 28, 81.763,
336.723

 78, 81.763,
336.723


 18, 81.763,
336.723


 88, 81.763,
336.723

 8, 81.763, 336.723

 98, 81.763,
336.723

 0, 81.763, 336.723

 48, 81.763,

 48, 81.763,

336.723

336.723

■ 47, 83.534,
337.740

■ 50, 77.502,
335.827

■ 47, 83.850,
338.238

■ 53, 70.870,
335.012

■ 56, 62.263,
334.249

■ 60, 52.201,
333.521

■ 64, 41.192,
332.818

■ 69, 29.666,
332.136

■ 74, 17.946,
331.473

■ 79, 6.257, 330.809

Harmonies

Complementary

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



48, 81.763, 336.723



72, 88.082, 140.734

Rectangle

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



48, 81.763, 336.723



48, 81.763, 26.723



48, 81.763, 156.723



48, 81.763, 206.723

Sweetspot

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



48, 81.760, 336.723



84, 36.253, 332.199



30, 102.703, 306.516



43, 24.558, 332.436



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, 81.760, 336.723



58, 98.676, 338.395



45, 68.415, 12.545



40, 6.561, 331.079



37, 71.772, 338.055



5, 24.659, 335.376

Inverse Universe

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



48, 81.760, 336.723



58, 98.676, 338.395



74, 56.612, 163.483



40, 6.561, 331.079



37, 71.772, 338.055



5, 24.659, 335.376

Previews

White Background



This preview shows how the CIELCh color 48, 81.763, 336.723 looks on a white background.

Color Contrast Check

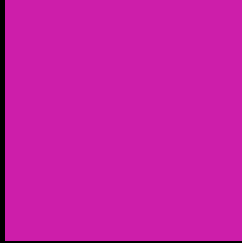
Large Text (above 18pt) WCAG AA ✓ Pass

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, 81.763, 336.723 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

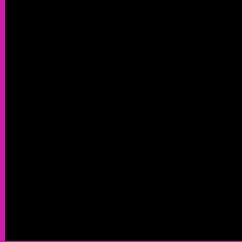
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 81.763, 336.723

Background



This preview shows how black text looks on a background with the CIELCh color 48, 81.763, 336.723.



This preview shows how white text looks on a background with the CIELCh color 48, 81.763, 336.723.

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, 81.763, 336.723

Protanopia

49, 72.210, 287.684

Deuteranopia

49, 27.269, 283.963



Tritanopia
48, 56.344, 26.352

Trichromacy



Original Color
48, 81.763, 336.723



Protanomaly
42, 76.751, 300.617



Deuteranomaly
45, 51.144, 317.108



Tritanomaly
47, 60.187, 2.548

Monochromacy



Original Color
48, 81.763, 336.723



Achromatopsia
42, 0.006, 296.813



Achromatomaly
40, 38.598, 333.637

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 81.763, 336.723 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(205, 30, 170)` looks like.

```
.text, #text, p{  
    color:rgb(205, 30, 170)  
}
```

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(205, 30, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 30, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 81.763, 336.723 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(205, 30, 170) }
```

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

```
.border{ border-color:rgb(205, 30, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 30, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 30, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 30, 170);  
box-shadow:4px 4px 4px 4px rgb(205, 30,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 81.763, 336.723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 30, 170) }
```

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

```
.background{ background-color: rgb(205, 30,  
170) }
```

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](#).

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