

Converting Colors

CIELCh(47, 85.564, 335.896)

Have a look what the booklet for
CIELCh(47, 85.564, 335.896)
contains.

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Color

CIELCh(47, 85.677, 335.731)

Conversions

Conversions Part 1

Format	Color
Hex	CC08AC
RGB	204, 8, 172
RGB Percent	80%, 3%, 67%
CMY	0.1992, 0.9696, 0.3248
CMYK	0.00, 0.96, 0.16, 0.20
HSL	310°, 93%, 42%
HSV	310°, 96%, 80%
XYZ	32.5054, 16.0195, 40.5015
YIQ	85.3000, 64.1720, 92.5560

Conversions

Conversions Part 2

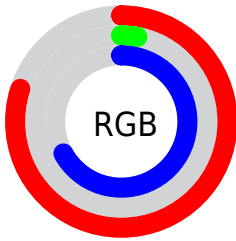
Format	Color
R_{YB}	204, 8, 172
Decimal	13371564
CIE _{Lab}	47.00, 78.11, -35.22
CIE _{LCh}	47, 85.677, 335.731
Yxy	16.0195, 0.3651, 0.1799
Android (android.graphics.Color)	4291561644 (0xFFCC08AC)
YUV	85.3000, 42.7431, 104.0999
Hunter-Lab	40.0243, 74.9247, -31.9798

Details

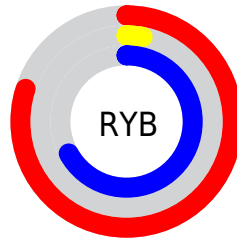
The CIELCh color **47, 85.677, 335.731** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **72, 95.589, 138.203**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 84.434, 333.526**, and **33, 66.169, 336.725** is the 20% darker color. If you saturate the color by 10%, you get **47, 86.002, 336.049**, and if you desaturate by 10%, it is **48, 83.909, 334.929**.

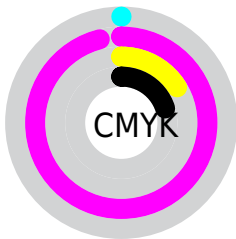
Distribution



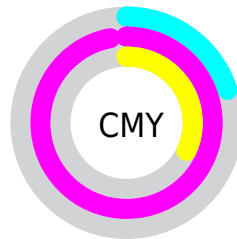
- Red (80%)
- Green (3%)
- Blue (67%)



- Red (80%)
- Yellow (3%)
- Blue (67%)



- Cyan (0%)
- Magenta (96%)
- Yellow (16%)
- Black (20%)





- Cyan (20%)
- Magenta (97%)
- Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 85.677, 335.731 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 47, 85.677, 335.731 by changing the saturation by 10% instead.


 47, 85.677,
335.731


 47, 85.677,
335.731


 100, 85.677,
335.731


 37, 85.677,
335.731

 67, 85.677,
335.731


 27, 85.677,
335.731

 77, 85.677,
335.731

 17, 85.677,
335.731

 87, 85.677,
335.731

 7, 85.677, 335.731

 97, 85.677,
335.731

 0, 85.677, 335.731

 47, 85.677,

 47, 85.677,

335.731

■ 47, 86.002,
336.049

335.731

■ 48, 83.909,
334.929

■ 50, 79.681,
334.195

■ 52, 73.053,
333.502

■ 56, 64.397,
332.830

■ 60, 54.222,
332.169

■ 64, 43.042,
331.516

■ 69, 31.295,
330.872

■ 74, 19.318,
330.237

Harmonies

Complementary

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



47, 85.677, 335.731



72, 95.589, 138.203

Rectangle

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



47, 85.677, 335.731



47, 85.677, 25.731



47, 85.677, 155.731



47, 85.677, 205.731

Sweetspot

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



47, 85.674, 335.731



82, 41.457, 331.076



27, 110.229, 306.701



41, 28.388, 331.354



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47, 85.674, 335.731



58, 101.510, 336.169



44, 71.600, 14.921



40, 6.735, 329.807



38, 73.784, 335.913



5, 25.425, 333.655

Inverse Universe

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



47, 85.674, 335.731



58, 101.510, 336.169



73, 62.494, 158.769



40, 6.735, 329.807



38, 73.784, 335.913



5, 25.425, 333.655

Previews

White Background



This preview shows how the CIELCh color 47, 85.677, 335.731 looks on a white background.

Color Contrast Check

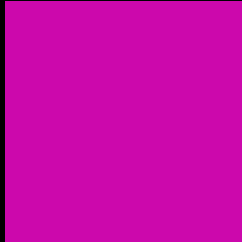
Large Text (above 18pt) WCAG AA ✓ Pass

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 47, 85.677, 335.731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

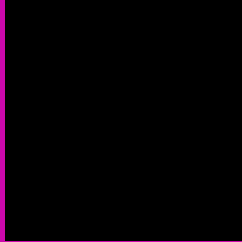
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 85.677, 335.731

Background



This preview shows how black text looks on a background with the CIELCh color 47, 85.677, 335.731.



This preview shows how white text looks on a background with the CIELCh color 47, 85.677, 335.731.

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

47, 85.582, 335.735

Protanopia

48, 72.457, 287.569

Deuteranopia

48, 29.811, 282.932



Tritanopia
47, 56.989, 26.709

Trichromacy



Original Color
47, 85.582, 335.735



Protanomaly
39, 82.745, 301.120



Deuteranomaly
42, 57.559, 316.478



Tritanomaly
46, 62.676, 1.425

Monochromacy



Original Color
47, 85.582, 335.735



Achromatopsia
36, 0.005, 296.813



Achromatomaly
36, 43.998, 332.340

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 85.677, 335.731 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(204, 8, 172)` looks like.

```
.text, #text, p{  
    color:rgb(204, 8, 172)  
}
```

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(204, 8, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 8, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 85.677, 335.731 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(204, 8, 172) }
```

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

```
.border{ border-color:rgb(204, 8, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 8, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 8, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 8, 172);  
box-shadow:4px 4px 4px 4px rgb(204, 8,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 85.677, 335.731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 8, 172) }
```

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

```
.background{ background-color: rgb(204, 8,  
172) }
```

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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