

Converting Colors

CIELCh(44, 89.691, 342.901)

Have a look what the booklet for
CIELCh(44, 89.691, 342.901)
contains.

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Color

CIELCh(47, 80.346, 344.020)

Conversions

Conversions Part 1

Format	Color
Hex	D20296
RGB	210, 2, 150
RGB Percent	82%, 1%, 59%
CMY	0.1747, 0.9935, 0.4102
CMYK	0.00, 0.99, 0.29, 0.17
HSL	317°, 98%, 42%
HSV	317°, 99%, 83%
XYZ	32.2650, 16.0195, 30.4156
YIQ	81.0640, 76.4600, 90.1240

Conversions

Conversions Part 2

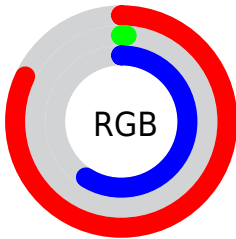
Format	Color
R_{YB}	210, 2, 150
Decimal	13763222
CIE _{Lab}	47.00, 77.24, -22.12
CIE _{LCh}	47, 80.346, 344.020
Yxy	16.0195, 0.4100, 0.2036
Android (android.graphics.Color)	4291953302 (0xFFD20296)
YUV	81.0640, 33.9854, 113.0769
Hunter-Lab	40.0243, 73.8526, -17.0391

Details

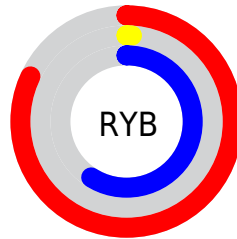
The CIELCh color **47, 80.346, 344.020** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **74, 92.535, 140.731**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 77.096, 340.352**, and **33, 60.842, 347.509** is the 20% darker color. If you saturate the color by 10%, you get **47, 80.376, 344.162**, and if you desaturate by 10%, it is **48, 79.560, 342.273**.

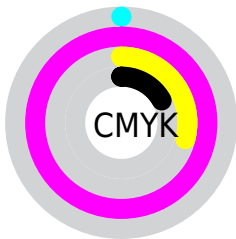
Distribution



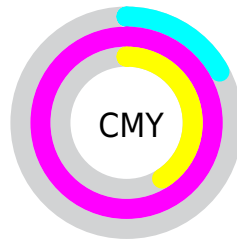
- Red (82%)
- Green (1%)
- Blue (59%)



- Red (82%)
- Yellow (1%)
- Blue (59%)



- Cyan (0%)
- Magenta (99%)
- Yellow (29%)
- Black (17%)





- Cyan (17%)
- Magenta (99%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 80.346, 344.020 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, 80.346, 344.020 by changing the saturation by 10% instead.


 47, 80.346,
344.020


 47, 80.346,
344.020


 100, 80.346,
344.020


 37, 80.346,
344.020

 67, 80.346,
344.020


 27, 80.346,
344.020

 77, 80.346,
344.020

 17, 80.346,
344.020

 87, 80.346,
344.020

 7, 80.346, 344.020

 97, 80.346,
344.020

 0, 80.346, 344.020

 47, 80.346,

 47, 80.346,

344.020

344.020

■ 47, 80.376,
344.162

■ 48, 79.560,
342.273

■ 50, 76.535,
340.805

■ 52, 71.042,
339.568

■ 56, 63.408,
338.497

■ 60, 54.144,
337.543

■ 64, 43.787,
336.672

■ 69, 32.801,
335.864

■ 74, 21.545,
335.105

■ 79, 10.271,
334.378

Harmonies

Complementary

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



47, 80.346, 344.020



74, 92.535, 140.731

Rectangle

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



47, 80.346, 344.020



47, 80.346, 34.020



47, 80.346, 164.020



47, 80.346, 214.020

Sweetspot

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



47, 80.343, 344.020



81, 39.346, 335.952



29, 112.377, 308.043



41, 26.798, 336.292



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, 80.343, 344.020



57, 92.705, 344.395



44, 79.471, 28.309



41, 6.290, 334.391



37, 68.252, 343.839



5, 24.929, 340.222

Inverse Universe

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



47, 80.343, 344.020



57, 92.705, 344.395



75, 54.915, 169.154



41, 6.290, 334.391



37, 68.252, 343.839



5, 24.929, 340.222

Previews

White Background



This preview shows how the CIELCh color 47, 80.346, 344.020 looks on a white background.

Color Contrast Check

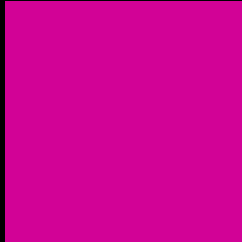
Large Text (above 18pt) WCAG AA ✓ Pass

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, 80.346, 344.020 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

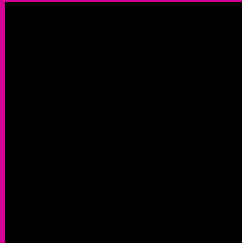
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 80.346, 344.020

Background



This preview shows how black text looks on a background with the CIELCh color 47, 80.346, 344.020.



This preview shows how white text looks on a background with the CIELCh color 47, 80.346, 344.020.

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, 80.161, 344.048

Protanopia

48, 61.337, 287.147

Deuteranopia

48, 17.725, 291.350



Tritanopia
47, 65.260, 29.431

Trichromacy



Original Color
47, 80.161, 344.048



Protanomaly
41, 72.208, 308.044



Deuteranomaly
42, 49.997, 328.231



Tritanomaly
46, 66.740, 9.447

Monochromacy



Original Color
47, 80.161, 344.048



Achromatopsia
34, 0.005, 296.813



Achromatomaly
34, 42.620, 338.373

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 80.346, 344.020 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, 2, 150)` looks like.

```
.text, #text, p{  
    color:rgb(210, 2, 150)  
}
```

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, 2, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 2, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 80.346, 344.020 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, 2, 150) }
```

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

```
.border{ border-color:rgb(210, 2, 150) }
```

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

Here you see how a box with a 4 pixel rgb(210, 2, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 2, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 2, 150);  
box-shadow:4px 4px 4px 4px rgb(210, 2,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 80.346, 344.020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 2, 150) }
```

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

```
.background{ background-color: rgb(210, 2,  
150) }
```

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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