

Converting Colors

CIELCh(46, 76.799, 349.404)

Have a look what the booklet for
CIELCh(46, 76.799, 349.404)
contains.

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Color

CIELCh(46, 76.825, 349.298)

Conversions

Conversions Part 1

Format	Color
Hex	D10087
RGB	209, 0, 135
RGB Percent	82%, 0%, 53%
CMY	0.1810, 1.0000, 0.4711
CMYK	0.00, 1.00, 0.35, 0.18
HSL	321°, 100%, 41%
HSV	321°, 100%, 82%
XYZ	30.6115, 15.2687, 24.2092
YIQ	77.8810, 81.2290, 86.2930

Conversions

Conversions Part 2

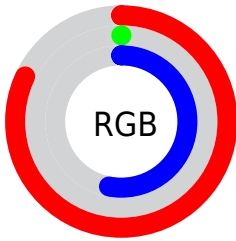
Format	Color
R_{YB}	209, 0, 135
Decimal	13697159
CIE _{Lab}	46.00, 75.49, -14.27
CIE _{LCh}	46, 76.825, 349.298
Yxy	15.2687, 0.4367, 0.2178
Android (android.graphics.Color)	4291887239 (0xFFD10087)
YUV	77.8810, 28.1597, 114.9914
Hunter-Lab	39.0751, 71.4557, -9.3808

Details

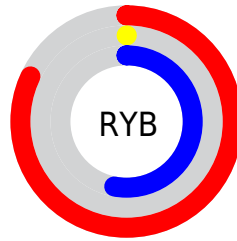
The CIELCh color **46, 76.825, 349.298** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark washed rose. A complement of this color would be **74, 87.956, 142.744**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 73.611, 345.700**, and **32, 57.997, 354.852** is the 20% darker color. If you saturate the color by 10%, you get **46, 76.779, 349.308**, and if you desaturate by 10%, it is **47, 76.107, 346.920**.

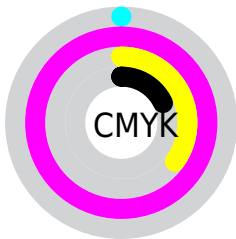
Distribution



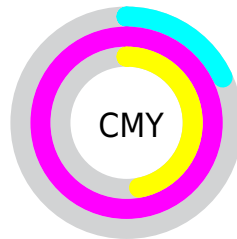
- Red (82%)
- Green (0%)
- Blue (53%)



- Red (82%)
- Yellow (0%)
- Blue (53%)



- Cyan (0%)
- Magenta (100%)
- Yellow (35%)
- Black (18%)



- Cyan (18%)
- Magenta (100%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 76.825, 349.298 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 46, 76.825, 349.298 by changing the saturation by 10% instead.


 46, 76.825,
349.298


 46, 76.825,
349.298


 100, 76.825,
349.298

 36, 76.825,
349.298

 66, 76.825,
349.298

 26, 76.825,
349.298

 76, 76.825,
349.298

 16, 76.825,
349.298

 86, 76.825,
349.298

 6, 76.825, 349.298

 96, 76.825,
349.298

 0, 76.825, 349.298

 46, 76.825,

 46, 76.825,

349.298

349.298

■ 46, 76.779,
349.308

■ 47, 76.107,
346.920

■ 49, 73.391,
344.941

■ 51, 68.282,
343.327

■ 55, 61.084,
341.980

■ 59, 52.293,
340.824

■ 63, 42.441,
339.804

■ 68, 31.986,
338.885

■ 73, 21.279,
338.041

■ 78, 10.567,
337.250

Harmonies

Complementary

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



46, 76.825, 349.298



74, 87.956, 142.744

Rectangle

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



46, 76.825, 349.298



46, 76.825, 39.298



46, 76.825, 169.298



46, 76.825, 219.298

Sweetspot

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



46, 76.779, 349.308



81, 37.609, 338.915



29, 110.817, 308.954



41, 25.628, 339.298



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



46, 76.779, 349.308



56, 89.058, 349.643



44, 83.018, 33.390



41, 5.998, 337.204



37, 65.573, 348.878



5, 23.758, 344.244

Inverse Universe

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



46, 76.779, 349.308



56, 89.058, 349.643



75, 50.307, 176.085



41, 5.998, 337.204



37, 65.573, 348.878



5, 23.758, 344.244

Previews

White Background



This preview shows how the CIELCh color 46, 76.825, 349.298 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 46, 76.825, 349.298 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

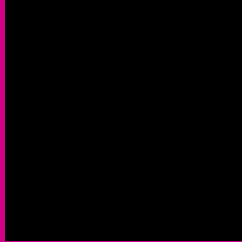
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 76.825, 349.298

Background



This preview shows how black text looks on a background with the CIELCh color 46, 76.825, 349.298.



This preview shows how white text looks on a background with the CIELCh color 46, 76.825, 349.298.

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

46, 76.825, 349.298

Protanopia

47, 50.452, 286.495

Deuteranopia

47, 11.065, 305.814



Tritanopia
47, 68.356, 30.936

Trichromacy



Original Color
46, 76.825, 349.298

Protanomaly
40, 63.308, 312.473

Deuteranomaly
42, 45.375, 336.135

Tritanomaly
46, 68.097, 13.925

Monochromacy



Original Color
46, 76.825, 349.298

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 40.907, 341.782

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 76.825, 349.298 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(209, 0, 135)` looks like.

```
.text, #text, p{  
    color:rgb(209, 0, 135)  
}
```

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(209, 0, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 0, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 76.825, 349.298 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(209, 0, 135) }
```

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

```
.border{ border-color:rgb(209, 0, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 0, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 0, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 0, 135);  
box-shadow:4px 4px 4px 4px rgb(209, 0,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 76.825, 349.298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 0, 135) }
```

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

```
.background{ background-color: rgb(209, 0,  
135) }
```

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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