

Converting Colors

CIELCh(46, 86.521, 333.350)

Have a look what the booklet for
CIELCh(46, 86.521, 333.350)
contains.

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Color

CIELCh(46, 86.382, 333.515)

Conversions

Conversions Part 1

Format	Color
Hex	C608AF
RGB	198, 8, 175
RGB Percent	78%, 3%, 69%
CMY	0.2236, 0.9688, 0.3138
CMYK	0.00, 0.96, 0.12, 0.22
HSL	307°, 92%, 40%
HSV	307°, 96%, 78%
XYZ	31.1039, 15.2687, 41.8543
YIQ	83.8480, 59.6330, 92.2170

Conversions

Conversions Part 2

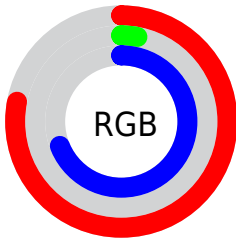
Format	Color
R_{YB}	198, 8, 175
Decimal	12978351
CIE _{Lab}	46.00, 77.32, -38.52
CIE _{LCh}	46, 86.382, 333.515
Yxy	15.2687, 0.3525, 0.1731
Android (android.graphics.Color)	4291168431 (0xFFC608AF)
YUV	83.8480, 44.9379, 100.1113
Hunter-Lab	39.0751, 73.7047, -36.1544

Details

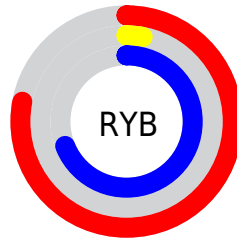
The CIELCh color **46, 86.382, 333.515** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as dark washed rose. A complement of this color would be **70, 94.924, 137.505**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 85.924, 332.769**, and **32, 67.008, 333.644** is the 20% darker color. If you saturate the color by 10%, you get **46, 86.833, 333.751**, and if you desaturate by 10%, it is **47, 84.351, 332.938**.

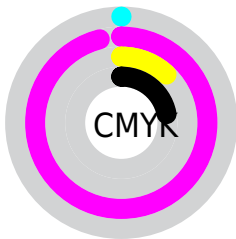
Distribution



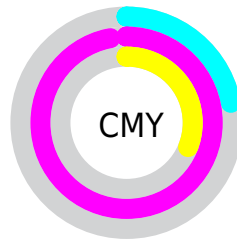
- Red (78%)
- Green (3%)
- Blue (69%)



- Red (78%)
- Yellow (3%)
- Blue (69%)



- Cyan (0%)
- Magenta (96%)
- Yellow (12%)
- Black (22%)





- Cyan (22%)
- Magenta (97%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 86.382, 333.515 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, 86.382, 333.515 by changing the saturation by 10% instead.


 46, 86.382,
333.515


 46, 86.382,
333.515


 100, 86.382,
333.515


 36, 86.382,
333.515

 66, 86.382,
333.515


 26, 86.382,
333.515

 76, 86.382,
333.515

 16, 86.382,
333.515


 86, 86.382,
333.515

 6, 86.382, 333.515

 96, 86.382,
333.515

 0, 86.382, 333.515

 46, 86.382,

 46, 86.382,

333.515

■ 46, 86.833,
333.751

333.515

■ 47, 84.351,
332.938

■ 49, 79.922,
332.377

■ 51, 73.154,
331.813

■ 54, 64.406,
331.238

■ 58, 54.171,
330.649

■ 62, 42.945,
330.049

■ 67, 31.156,
329.445

■ 72, 19.138,
328.840

Harmonies

Complementary

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



46, 86.382, 333.515



70, 94.924, 137.505

Rectangle

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



46, 86.382, 333.515



46, 86.382, 23.515



46, 86.382, 153.515



46, 86.382, 203.515

Sweetspot

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



46, 86.379, 333.515



82, 42.671, 329.654



25, 107.864, 306.459



41, 29.215, 329.916



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, 86.379, 333.515



59, 104.914, 333.845



42, 69.349, 11.572



39, 6.793, 328.439



37, 75.337, 333.664



4, 24.078, 331.427

Inverse Universe

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



46, 86.379, 333.515



59, 104.914, 333.845



71, 63.371, 156.605



39, 6.793, 328.439



37, 75.337, 333.664



4, 24.078, 331.427

Previews

White Background



This preview shows how the CIELCh color 46, 86.382, 333.515 looks on a white background.

Color Contrast Check

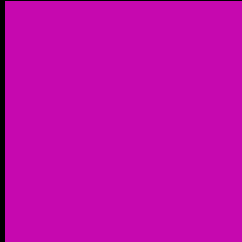
Large Text (above 18pt) WCAG AA ✓ Pass

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, 86.382, 333.515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

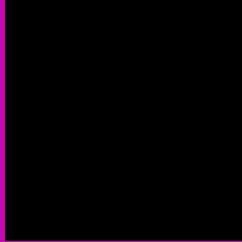
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 86.382, 333.515

Background



This preview shows how black text looks on a background with the CIELCh color 46, 86.382, 333.515.

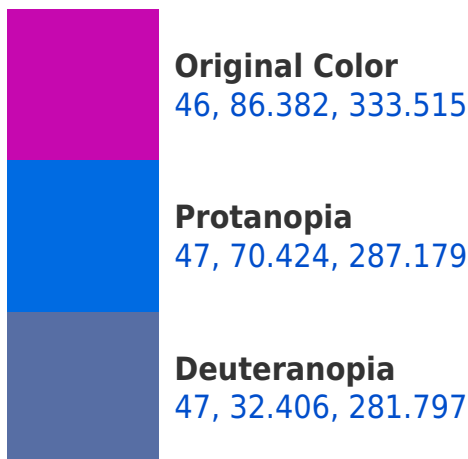


This preview shows how white text looks on a background with the CIELCh color 46, 86.382, 333.515.

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





Tritanopia
46, 53.992, 26.051

Trichromacy



Original Color
46, 86.382, 333.515



Protanomaly
39, 81.785, 300.985



Deuteranomaly
41, 58.891, 313.951



Tritanomaly
45, 60.920, 358.888

Monochromacy



Original Color
46, 86.382, 333.515



Achromatopsia
36, 0.005, 296.813



Achromatomaly
35, 44.126, 330.892

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 86.382, 333.515 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(198, 8, 175)` looks like.

```
.text, #text, p{  
    color:rgb(198, 8, 175)  
}
```

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(198, 8, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 8, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 86.382, 333.515 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(198, 8, 175) }
```

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

```
.border{ border-color:rgb(198, 8, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 8, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 8, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 8, 175);  
box-shadow:4px 4px 4px 4px rgb(198, 8,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 86.382, 333.515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 8, 175) }
```

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

```
.background{ background-color: rgb(198, 8,  
175) }
```

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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