

Converting Colors

CIELCh(46, 71.430, 340.385)

Have a look what the booklet for
CIELCh(46, 71.430, 340.385)
contains.

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Color

CIELCh(46, 71.269, 340.457)

Conversions

Conversions Part 1

Format	Color
Hex	C12A96
RGB	193, 42, 150
RGB Percent	76%, 16%, 59%
CMY	0.2420, 0.8338, 0.4107
CMYK	0.00, 0.78, 0.22, 0.24
HSL	317°, 64%, 46%
HSV	317°, 78%, 76%
XYZ	28.4345, 15.2687, 30.4135
YIQ	99.4610, 55.3280, 65.6000

Conversions

Conversions Part 2

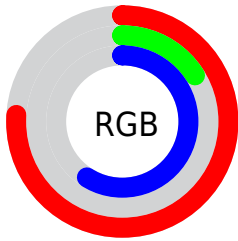
Format	Color
R _{YB}	193, 42, 150
Decimal	12659350
CIE _{Lab}	46.00, 67.16, -23.84
CIE _{LCh}	46, 71.269, 340.457
Yxy	15.2687, 0.3836, 0.2060
Android (android.graphics.Color)	4290849430 (0xFFC12A96)
YUV	99.4610, 24.9157, 82.0337
Hunter-Lab	39.0751, 61.5106, -18.7948

Details

The CIELCh color **46, 71.269, 340.457** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark muted rose. A complement of this color would be **69, 74.468, 144.694**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 71.263, 340.590**, and **30, 59.098, 342.032** is the 20% darker color. If you saturate the color by 10%, you get **44, 74.472, 341.860**, and if you desaturate by 10%, it is **48, 65.797, 339.269**.

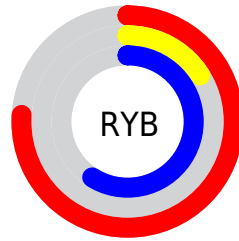
Distribution



Red (76%)

Green (16%)

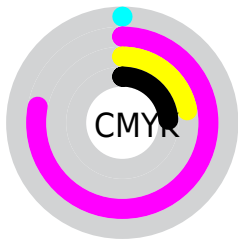
Blue (59%)



Red (76%)

Yellow (16%)

Blue (59%)

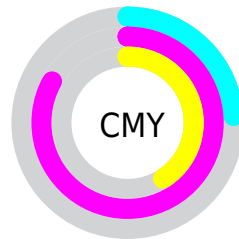


Cyan (0%)

Magenta (78%)

Yellow (22%)

Black (24%)



Cyan (24%)


Magenta (83%)


Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 71.269, 340.457 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, 71.269, 340.457 by changing the saturation by 10% instead.


 46, 71.269,
340.457


 46, 71.269,
340.457


 100, 71.269,
340.457


 36, 71.269,
340.457

 66, 71.269,
340.457


 26, 71.269,
340.457

 76, 71.269,
340.457

 16, 71.269,
340.457

 86, 71.269,
340.457

 6, 71.269, 340.457

 96, 71.269,
340.457

 0, 71.269, 340.457

 46, 71.269,

 46, 71.269,

340.457

44, 74.472,
341.860

43, 75.507,
343.531

43, 75.622,
343.866

340.457

48, 65.797,
339.269

52, 58.404,
338.232

55, 49.570,
337.303

60, 39.786,
336.452

64, 29.467,
335.659

69, 18.933,
334.912

74, 8.405, 334.192

79, 1.973, 153.736

■ 84, 12.114,
152.975

Harmonies

Complementary

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



46, 71.269, 340.457



69, 74.468, 144.694

Rectangle

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



46, 71.269, 340.457



46, 71.269, 30.457



46, 71.269, 160.457



46, 71.269, 210.457

Sweetspot

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



46, 71.266, 340.457



85, 29.975, 335.302



33, 90.076, 307.606



43, 20.924, 335.581



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, 71.266, 340.457



57, 92.117, 343.085



44, 62.824, 17.558



38, 5.918, 334.285



36, 66.104, 343.588



4, 18.499, 339.350

Inverse Universe

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



46, 71.266, 340.457



57, 92.117, 343.085



70, 46.127, 173.024



38, 5.918, 334.285



36, 66.104, 343.588



4, 18.499, 339.350

Previews

White Background



This preview shows how the CIELCh color 46, 71.269, 340.457 looks on a white background.

Color Contrast Check

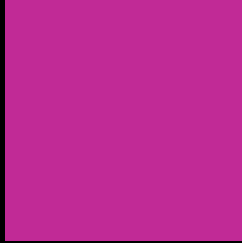
Large Text (above 18pt) WCAG AA ✓ Pass

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, 71.269, 340.457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

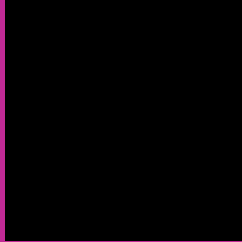
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 71.269, 340.457

Background



This preview shows how black text looks on a background with the CIELCh color 46, 71.269, 340.457.

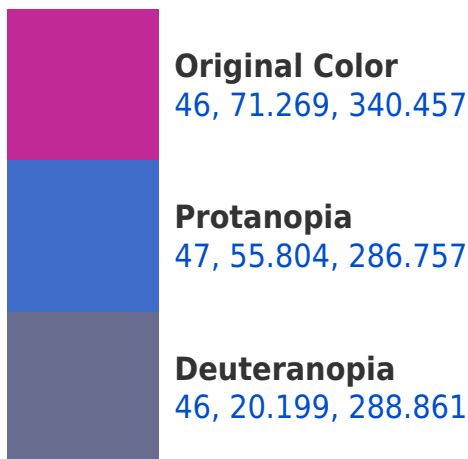


This preview shows how white text looks on a background with the CIELCh color 46, 71.269, 340.457.

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](#).

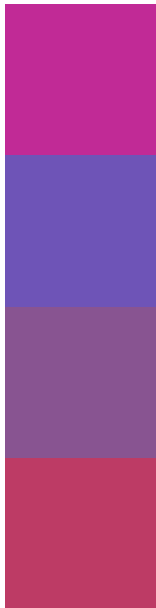
Dichromacy





Tritanopia
46, 53.152, 25.883

Trichromacy



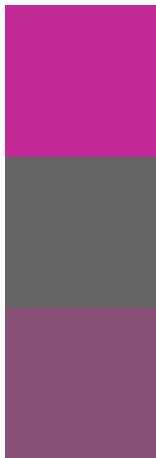
Original Color
46, 71.269, 340.457

Protanomaly
43, 59.689, 304.891

Deuteranomaly
44, 40.717, 322.204

Tritanomaly
45, 55.197, 5.570

Monochromacy



Original Color
46, 71.269, 340.457

Achromatopsia
42, 0.006, 296.813

Achromatomaly
41, 31.629, 336.851

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 71.269, 340.457 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(193, 42, 150)` looks like.

```
.text, #text, p{  
    color:rgb(193, 42, 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(193, 42, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 42, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 71.269, 340.457 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(193, 42, 150) }
```

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

```
.border{ border-color:rgb(193, 42, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 42, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 42, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 42, 150);  
box-shadow:4px 4px 4px 4px rgb(193, 42,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 71.269, 340.457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 42, 150) }
```

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

```
.background{ background-color: rgb(193, 42,  
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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