

Converting Colors

CIELCh(46, 16.576, 314.932)

Have a look what the booklet for
CIELCh(46, 16.576, 314.932)
contains.

CIELCh(46, 16.884, 315.071)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(46, 16.884, 315.071)

Conversions

Conversions Part 1

Format	Color
Hex	786781
RGB	120, 103, 129
RGB Percent	47%, 40%, 51%
CMY	0.5295, 0.5962, 0.4942
CMYK	0.07, 0.20, 0.00, 0.49
HSL	279°, 11%, 45%
HSV	279°, 20%, 51%
XYZ	16.5482, 15.2687, 22.8320
YIQ	111.0470, 1.7860, 11.6900

Conversions

Conversions Part 2

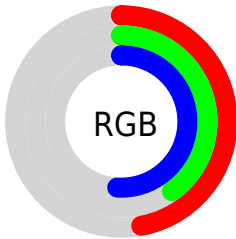
Format	Color
R_{YB}	120, 103, 129
Decimal	7890817
CIE _{Lab}	46.00, 11.95, -11.92
CIE _{LCh}	46, 16.884, 315.071
Yxy	15.2687, 0.3028, 0.2794
Android (android.graphics.Color)	4286080897 (0xFF786781)
YUV	111.0470, 8.8508, 7.8518
Hunter-Lab	39.0751, 7.2128, -7.2912

Details

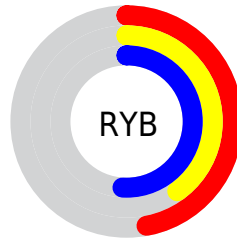
The CIELCh color `46, 16.884, 315.071` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `52, 16.593, 133.400`, and the grayscale version is `47, 0.006, 296.813`.

A 20% lighter version of the original color is `66, 16.955, 314.530`, and `26, 16.967, 314.490` is the 20% darker color. If you saturate the color by 10%, you get `42, 25.465, 315.501`, and if you desaturate by 10%, it is `50, 8.420, 314.645`.

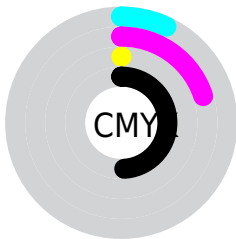
Distribution



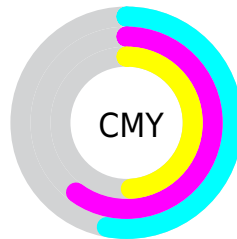
- Red (47%)
- Green (40%)
- Blue (51%)



- Red (47%)
- Yellow (40%)
- Blue (51%)



- Cyan (7%)
- Magenta (20%)
- Yellow (0%)
- Black (49%)





- Cyan (53%)
- Magenta (60%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 16.884, 315.071 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, 16.884, 315.071 by changing the saturation by 10% instead.


 46, 16.884,
315.071


 46, 16.884,
315.071


 100, 16.884,
315.071


 36, 16.884,
315.071

 66, 16.884,
315.071


 26, 16.884,
315.071

 76, 16.884,
315.071

 16, 16.884,
315.071


 86, 16.884,
315.071

 6, 16.884, 315.071

 96, 16.884,
315.071

 0, 16.884, 315.071

 46, 16.884,

 46, 16.884,

315.071

42, 25.465,
315.501

38, 34.072,
315.922

35, 42.547,
316.311

31, 50.655,
316.630

28, 58.066,
316.831

26, 64.367,
316.852

24, 69.124,
316.624

22, 72.720,
316.255

315.071

50, 8.420, 314.645

54, 0.136, 313.373

58, 7.941, 133.905

62, 15.796,
133.555

66, 23.427,
133.240

70, 30.836,
132.956

74, 38.032,
132.702

78, 45.023,
132.475

82, 51.820,

Harmonies

Complementary

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



46, 16.884, 315.071



52, 16.593, 133.400

Rectangle

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



46, 16.884, 315.071



46, 16.884, 5.071



46, 16.884, 135.071



46, 16.884, 185.071

Sweetspot

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



46, 16.883, 315.070



66, 6.157, 314.473



47, 10.474, 272.547



34, 4.067, 314.495



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



46, 16.883, 315.070



57, 25.085, 315.260



47, 16.691, 330.001



25, 4.623, 314.600



22, 72.117, 316.266



0, 0.000, 0.000

Inverse Universe

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



46, 12.010, 354.753



58, 17.886, 355.256



51, 16.647, 147.535



25, 3.266, 353.593



26, 51.129, 14.925



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 46, 16.884, 315.071 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, 16.884, 315.071 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

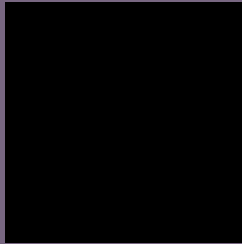
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 16.884, 315.071

Background



This preview shows how black text looks on a background with the CIELCh color 46, 16.884, 315.071.



This preview shows how white text looks on a background with the CIELCh color 46, 16.884, 315.071.

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, 16.884, 315.071

Protanopia

46, 14.309, 286.193

Deuteranopia

46, 13.224, 298.577



Tritanopia
46, 6.841, 336.315

Trichromacy



Original Color
46, 16.884, 315.071

Protanomaly
46, 14.994, 297.960

Deuteranomaly
46, 14.185, 306.106

Tritanomaly
46, 10.077, 325.038

Monochromacy



Original Color
46, 16.884, 315.071

Achromatopsia
47, 0.006, 296.813

Achromatomaly
46, 6.434, 312.804

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 16.884, 315.071 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(120, 103, 129)` looks like.

```
.text, #text, p{  
    color:rgb(120, 103, 129)  
}
```

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(120, 103, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 103, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 16.884, 315.071 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(120, 103, 129) }
```

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

```
.border{ border-color:rgb(120, 103, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 103, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 103, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 103, 129);  
box-shadow:4px 4px 4px 4px rgb(120, 103,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 16.884, 315.071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 103, 129) }
```

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

```
.background{ background-color: rgb(120,  
103, 129) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor