

Converting Colors

CIELCh(46, 43.676, 315.917)

Have a look what the booklet for
CIELCh(46, 43.676, 315.917)
contains.

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Color

CIELCh(46, 43.661, 316.023)

Conversions

Conversions Part 1

Format	Color
Hex	885BA0
RGB	136, 91, 160
RGB Percent	53%, 36%, 63%
CMY	0.4665, 0.6429, 0.3723
CMYK	0.15, 0.43, 0.00, 0.37
HSL	279°, 27%, 49%
HSV	279°, 43%, 63%
XYZ	20.2564, 15.2687, 35.1609
YIQ	112.3210, 4.6710, 30.9990

Conversions

Conversions Part 2

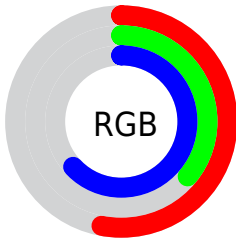
Format	Color
R_{YB}	136, 91, 160
Decimal	8936352
CIE _{Lab}	46.00, 31.42, -30.32
CIE _{LCh}	46, 43.661, 316.023
Yxy	15.2687, 0.2866, 0.2160
Android (android.graphics.Color)	4287126432 (0xFF885BA0)
YUV	112.3210, 23.5057, 20.7665
Hunter-Lab	39.0751, 24.1522, -25.9982

Details

The CIELCh color $46, 43.661, 316.023$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $61, 42.027, 132.168$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 43.659, 315.840$, and $26, 43.789, 315.892$ is the 20% darker color. If you saturate the color by 10%, you get $42, 53.642, 316.398$, and if you desaturate by 10%, it is $50, 33.423, 315.602$.

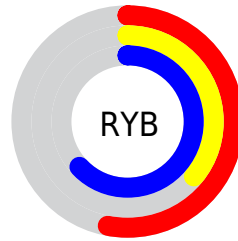
Distribution



Red (53%)

Green (36%)

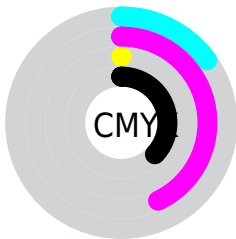
Blue (63%)



Red (53%)

Yellow (36%)

Blue (63%)

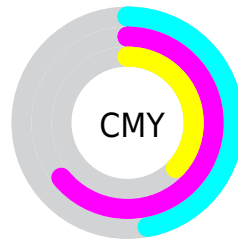


Cyan (15%)

Magenta (43%)

Yellow (0%)

Black (37%)



Cyan (47%)


Magenta (64%)


Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 43.661, 316.023 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, 43.661, 316.023 by changing the saturation by 10% instead.


 46, 43.661,
316.023


 46, 43.661,
316.023


 100, 43.661,
316.023


 36, 43.661,
316.023

 66, 43.661,
316.023

 26, 43.661,
316.023

 76, 43.661,
316.023

 16, 43.661,
316.023

 86, 43.661,
316.023

 6, 43.661, 316.023

 96, 43.661,
316.023

 0, 43.661, 316.023

 46, 43.661,

 46, 43.661,

316.023

42, 53.642,
316.398

38, 63.035,
316.682

34, 71.382,
316.818

32, 78.144,
316.735

29, 82.828,
316.362

28, 85.250,
316.010

316.023

50, 33.423,
315.602

55, 23.159,
315.164

60, 13.008,
314.728

64, 3.056, 314.279

69, 6.651, 133.959

74, 16.092,
133.590

79, 25.259,
133.261

83, 34.157,
132.965

■ 88, 42.792,
132.700

Harmonies

Complementary

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



46, 43.661, 316.023



61, 42.027, 132.168

Rectangle

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



46, 43.661, 316.023



46, 43.661, 6.023



46, 43.661, 136.023



46, 43.661, 186.023

Sweetspot

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



46, 43.660, 316.023



76, 16.036, 314.734



48, 27.152, 277.080



39, 11.223, 314.824



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



46, 43.660, 316.023



55, 65.294, 316.394



48, 42.119, 331.449



31, 5.530, 314.560



25, 78.370, 316.109



1, 7.104, 313.097

Inverse Universe

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



47, 31.349, 357.804



57, 46.865, 359.599



60, 42.144, 145.378



31, 3.913, 353.518



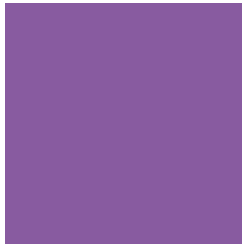
30, 55.589, 15.422



1, 4.987, 353.918

Previews

White Background



This preview shows how the CIELCh color 46, 43.661, 316.023 looks on a white background.

Color Contrast Check

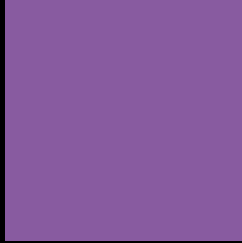
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 46, 43.661, 316.023 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, 43.661, 316.023

Background



This preview shows how black text looks on a background with the CIELCh color 46, 43.661, 316.023.



This preview shows how white text looks on a background with the CIELCh color 46, 43.661, 316.023.

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, 43.661, 316.023

Protanopia

46, 39.950, 285.827

Deuteranopia

46, 29.368, 283.379



Tritanopia
46, 11.811, 357.390

Trichromacy



Original Color
46, 43.661, 316.023

Protanomaly
46, 40.476, 296.342

Deuteranomaly
46, 33.435, 297.426

Tritanomaly
46, 22.019, 328.392

Monochromacy



Original Color
46, 43.661, 316.023

Achromatopsia
47, 0.006, 296.813

Achromatomaly
46, 16.321, 315.879

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 43.661, 316.023 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(136, 91, 160)` looks like.

```
.text, #text, p{  
    color:rgb(136, 91, 160)  
}
```

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(136, 91, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 91, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 43.661, 316.023 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(136, 91, 160) }
```

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

```
.border{ border-color:rgb(136, 91, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 91, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 91, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 91, 160);  
box-shadow:4px 4px 4px 4px rgb(136, 91,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 43.661, 316.023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 91, 160) }
```

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

```
.background{ background-color: rgb(136, 91,  
160) }
```

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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