

Converting Colors

CIELCh(46, 29.967, 306.785)

Have a look what the booklet for
CIELCh(46, 29.967, 306.785)
contains.

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Color

CIELCh(46, 30.056, 306.926)

Conversions

Conversions Part 1

Format	Color
Hex	776495
RGB	119, 100, 149
RGB Percent	47%, 39%, 58%
CMY	0.5325, 0.6070, 0.4148
CMYK	0.20, 0.33, 0.00, 0.41
HSL	263°, 20%, 49%
HSV	263°, 33%, 59%
XYZ	17.6574, 15.2687, 30.5439
YIQ	111.2670, -4.4050, 19.2670

Conversions

Conversions Part 2

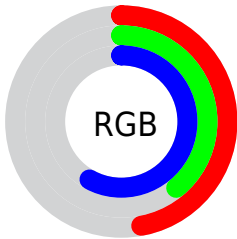
Format	Color
R_{YB}	119, 100, 149
Decimal	7824533
CIE _{Lab}	46.00, 18.06, -24.03
CIE _{LCh}	46, 30.056, 306.926
Yxy	15.2687, 0.2782, 0.2406
Android (android.graphics.Color)	4286014613 (0xFF776495)
YUV	111.2670, 18.6024, 6.7818
Hunter-Lab	39.0751, 12.2797, -18.9927

Details

The CIELCh color $46, 30.056, 306.926$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $59, 28.398, 123.412$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 29.898, 307.044$, and $26, 30.099, 306.671$ is the 20% darker color. If you saturate the color by 10%, you get $41, 39.712, 307.606$, and if you desaturate by 10%, it is $51, 20.599, 306.290$.

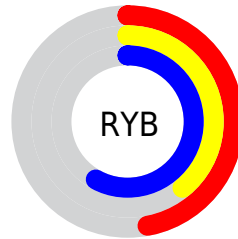
Distribution



Red (47%)

Green (39%)

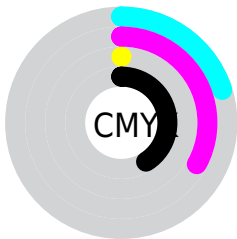
Blue (58%)



Red (47%)

Yellow (39%)

Blue (58%)

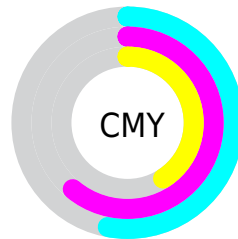


Cyan (20%)

Magenta (33%)

Yellow (0%)

Black (41%)



Cyan (53%)


Magenta (61%)


Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 30.056, 306.926 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, 30.056, 306.926 by changing the saturation by 10% instead.


 46, 30.056,
306.926


 46, 30.056,
306.926


 100, 30.056,
306.926


 36, 30.056,
306.926

 66, 30.056,
306.926


 26, 30.056,
306.926

 76, 30.056,
306.926

 16, 30.056,
306.926


 86, 30.056,
306.926

 6, 30.056, 306.926

 96, 30.056,
306.926

 0, 30.056, 306.926

 46, 30.056,

 46, 30.056,

306.926

41, 39.712,
307.606

37, 49.449,
308.306

32, 59.037,
308.979

28, 68.083,
309.550

25, 75.982,
309.906

22, 81.977,
309.909

20, 85.492,
309.830

306.926

51, 20.599,
306.290

56, 11.404,
305.708

60, 2.491, 305.169

65, 6.134, 124.745

70, 14.479,
124.334

75, 22.553,
123.980

79, 30.371,
123.672

84, 37.947,
123.406

■ 89, 45.295,
123.178

Harmonies

Complementary

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



46, 30.056, 306.926



59, 28.398, 123.412

Rectangle

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



46, 30.056, 306.926



46, 30.056, 356.926



46, 30.056, 126.926



46, 30.056, 176.926

Sweetspot

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



46, 30.055, 306.926



72, 10.941, 305.563



53, 14.816, 246.230



37, 7.457, 305.632



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



46, 30.055, 306.926



55, 44.569, 307.394



49, 32.903, 322.753



29, 4.950, 305.509



18, 80.559, 309.906



0, 4.271, 305.055

Inverse Universe

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



48, 26.035, 340.684



59, 38.142, 341.348



58, 32.660, 139.331



29, 4.396, 338.695



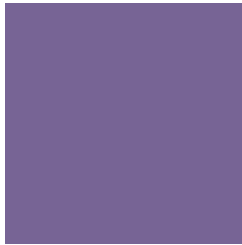
29, 55.823, 351.086



1, 3.812, 338.065

Previews

White Background



This preview shows how the CIELCh color 46, 30.056, 306.926 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, 30.056, 306.926 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

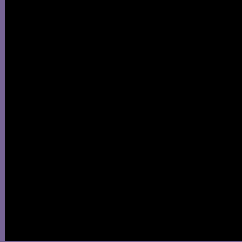
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 30.056, 306.926

Background



This preview shows how black text looks on a background with the CIELCh color 46, 30.056, 306.926.



This preview shows how white text looks on a background with the CIELCh color 46, 30.056, 306.926.

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, 30.056, 306.926

Protanopia

46, 28.674, 285.504

Deuteranopia

46, 23.880, 285.171



Tritanopia
46, 5.365, 317.551

Trichromacy



Original Color
46, 30.056, 306.926

Protanomaly
46, 28.541, 292.634

Deuteranomaly
46, 25.601, 294.379

Tritanomaly
46, 13.715, 308.271

Monochromacy



Original Color
46, 30.056, 306.926

Achromatopsia
47, 0.006, 296.813

Achromatomaly
46, 11.083, 305.819

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 30.056, 306.926 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(119, 100, 149)` looks like.

```
.text, #text, p{  
    color:rgb(119, 100, 149)  
}
```

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(119, 100, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 100, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 30.056, 306.926 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(119, 100, 149) }
```

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

```
.border{ border-color:rgb(119, 100, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 100, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 100, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 100, 149);  
box-shadow:4px 4px 4px 4px rgb(119, 100,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 30.056, 306.926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 100, 149) }
```

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

```
.background{ background-color: rgb(119,  
100, 149) }
```

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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