

Converting Colors

CIELCh(46, 35.084, 277.442)

Have a look what the booklet for
CIELCh(46, 35.084, 277.442)
contains.

CIELCh(46, 34.843, 276.955)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(46, 34.843, 276.955)

Conversions

Conversions Part 1

Format	Color
Hex	496EA7
RGB	73, 110, 167
RGB Percent	29%, 43%, 65%
CMY	0.7150, 0.5698, 0.3464
CMYK	0.56, 0.34, 0.00, 0.35
HSL	216°, 39%, 47%
HSV	216°, 56%, 65%
XYZ	15.2107, 15.2687, 38.5464
YIQ	105.4350, -40.3490, 9.8830

Conversions

Conversions Part 2

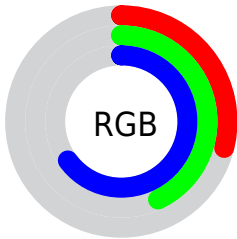
Format	Color
R _Y B	73, 100, 167
Decimal	4812455
CIE Lab	46.00, 4.22, -34.59
CIE LCh	46, 34.843, 276.955
Yxy	15.2687, 0.2204, 0.2212
Android (android.graphics.Color)	4283002535 (0xFF496EA7)
YUV	105.4350, 30.3515, -28.4455
Hunter-Lab	39.0751, 1.1027, -31.1352

Details

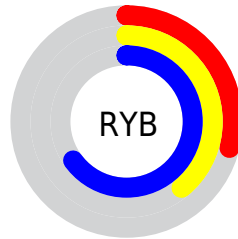
The CIELCh color **46, 34.843, 276.955** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **57, 36.727, 78.446**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 34.761, 277.043**, and **26, 34.986, 277.135** is the 20% darker color. If you saturate the color by 10%, you get **42, 41.219, 280.059**, and if you desaturate by 10%, it is **50, 28.554, 274.253**.

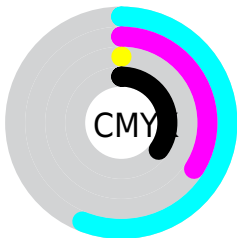
Distribution



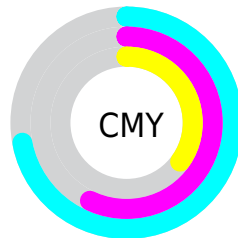
- Red (29%)
- Green (43%)
- Blue (65%)



- Red (29%)
- Yellow (39%)
- Blue (65%)



- Cyan (56%)
- Magenta (34%)
- Yellow (0%)
- Black (35%)



- Cyan (72%)
- Magenta (57%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 34.843, 276.955 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, 34.843, 276.955 by changing the saturation by 10% instead.

■ 46, 34.843,
276.955

■ 46, 34.843,
276.955

■ 100, 34.843,
276.955

■ 36, 34.843,
276.955

■ 66, 34.843,
276.955

■ 26, 34.843,
276.955

■ 76, 34.843,
276.955

■ 16, 34.843,
276.955

■ 86, 34.843,
276.955

■ 6, 34.843, 276.955

■ 96, 34.843,
276.955

■ 0, 34.843, 276.955

■ 46, 34.843,

■ 46, 34.843,

276.955

276.955

■ 42, 41.219,
280.059

■ 50, 28.554,
274.253

■ 39, 47.724,
283.542

■ 54, 22.324,
271.931

■ 35, 54.394,
287.323

■ 58, 16.139,
269.948

■ 32, 61.225,
291.217

■ 62, 9.993, 268.261

■ 31, 63.723,
292.517

■ 66, 3.889, 266.848

■ 70, 2.165, 85.421

■ 74, 8.163, 84.427

■ 78, 14.098, 83.501

■ 82, 19.965, 82.684

Harmonies

Complementary

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



46, 34.843, 276.955



57, 36.727, 78.446

Rectangle

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



46, 34.843, 276.955



46, 34.843, 326.955



46, 34.843, 96.955



46, 34.843, 146.955

Sweetspot

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



46, 34.842, 276.956



78, 12.829, 268.403



62, 38.650, 163.169



41, 8.656, 268.709



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



46, 34.842, 276.956



54, 52.356, 281.011



37, 57.840, 300.926



33, 3.467, 267.225



27, 57.759, 292.103



2, 6.671, 270.667

Inverse Universe

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



44, 42.704, 357.022



52, 61.746, 0.019



66, 49.541, 109.761



33, 4.234, 350.563



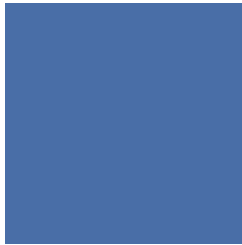
31, 56.459, 11.239



2, 7.367, 353.306

Previews

White Background



This preview shows how the CIE LCh color 46, 34.843, 276.955 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, 34.843, 276.955 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

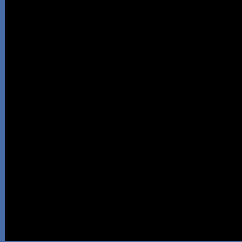
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

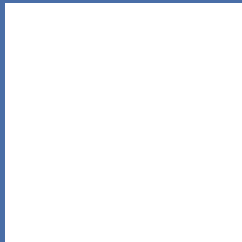
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 34.843, 276.955

Background



This preview shows how black text looks on a background with the CIELCh color 46, 34.843, 276.955.



This preview shows how white text looks on a background with the CIELCh color 46, 34.843, 276.955.

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, 34.843, 276.955

Protanopia

46, 34.049, 285.308

Deuteranopia

46, 35.610, 281.053



Tritanopia
46, 20.202, 212.918

Trichromacy



Original Color
46, 34.843, 276.955

Protanomaly
46, 34.292, 282.041

Deuteranomaly
46, 35.157, 279.400

Tritanomaly
46, 21.730, 243.948

Monochromacy



Original Color
46, 34.843, 276.955

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 12.838, 268.280

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 34.843, 276.955 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(73, 110, 167)` looks like.

```
.text, #text, p{  
    color:rgb(73, 110, 167)  
}
```

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(73, 110, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 110, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 34.843, 276.955 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(73, 110, 167) }
```

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

```
.border{ border-color:rgb(73, 110, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 110, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 110, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 110, 167);  
box-shadow:4px 4px 4px 4px rgb(73, 110,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 34.843, 276.955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 110, 167) }
```

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

```
.background{ background-color: rgb(73, 110,  
167) }
```

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