

Converting Colors

CIELCh(46, 10.888, 279.240)

Have a look what the booklet for
CIELCh(46, 10.888, 279.240)
contains.

CIELCh(46, 10.875, 279.653)	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, 10.875, 279.653)

Conversions

Conversions Part 1

Format	Color
Hex	676D7F
RGB	103, 109, 127
RGB Percent	40%, 43%, 50%
CMY	0.5972, 0.5736, 0.5031
CMYK	0.19, 0.14, 0.00, 0.50
HSL	225°, 10%, 45%
HSV	225°, 19%, 50%
XYZ	14.8115, 15.2687, 22.1456
YIQ	109.2580, -9.3540, 4.3260

Conversions

Conversions Part 2

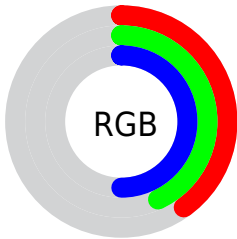
Format	Color
R_{YB}	103, 108, 127
Decimal	6778239
CIE Lab	46.00, 1.82, -10.72
CIE LCh	46, 10.875, 279.653
Yxy	15.2687, 0.2836, 0.2924
Android (android.graphics.Color)	4284968319 (0xFF676D7F)
YUV	109.2580, 8.7468, -5.4883
Hunter-Lab	39.0751, -0.7207, -6.2496

Details

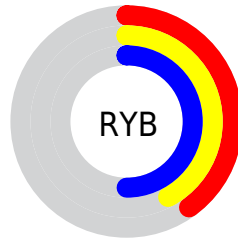
The CIELCh color $46, 10.875, 279.653$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $51, 10.742, 95.041$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 11.247, 280.320$, and $26, 10.663, 279.332$ is the 20% darker color. If you saturate the color by 10%, you get $42, 16.820, 281.222$, and if you desaturate by 10%, it is $50, 5.073, 278.305$.

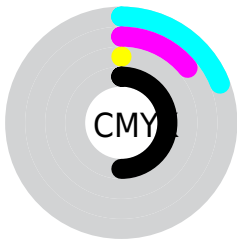
Distribution



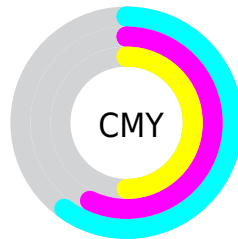
- Red (40%)
- Green (43%)
- Blue (50%)



- Red (40%)
- Yellow (42%)
- Blue (50%)



- Cyan (19%)
- Magenta (14%)
- Yellow (0%)
- Black (50%)





- Cyan (60%)
- Magenta (57%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 10.875, 279.653 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, 10.875, 279.653 by changing the saturation by 10% instead.


 46, 10.875,
279.653


 46, 10.875,
279.653


 100, 10.875,
279.653


 36, 10.875,
279.653

 66, 10.875,
279.653


 26, 10.875,
279.653

 76, 10.875,
279.653

 16, 10.875,
279.653

 86, 10.875,
279.653

 6, 10.875, 279.653

 96, 10.875,
279.653

 0, 10.875, 279.653

 46, 10.875,

 46, 10.875,

279.653

■ 42, 16.820,
281.222

■ 39, 22.924,
283.052

■ 35, 29.203,
285.170

■ 31, 35.675,
287.598

■ 28, 42.352,
290.330

■ 24, 49.213,
293.312

■ 21, 56.152,
296.419

■ 18, 62.944,
299.326

279.653

■ 50, 5.073, 278.305

■ 53, 0.592, 96.879

■ 57, 6.127, 96.064

■ 61, 11.537, 95.185

■ 65, 16.827, 94.407

■ 68, 22.000, 93.720

■ 72, 27.059, 93.109

■ 75, 32.008, 92.562

■ 79, 36.851, 92.071

■ 18, 63.651,
299.597

Harmonies

Complementary

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



46, 10.875, 279.653



51, 10.742, 95.041

Rectangle

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



46, 10.875, 279.653



46, 10.875, 329.653



46, 10.875, 99.653



46, 10.875, 149.653

Sweetspot

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



46, 10.874, 279.649



65, 4.233, 277.972



51, 10.089, 176.632



34, 2.831, 278.032



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, 10.874, 279.649



57, 16.546, 280.346



45, 14.556, 300.569



25, 3.218, 278.326



18, 63.977, 299.617



0, 0.000, 0.000

Inverse Universe

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



46, 10.632, 1.326



57, 16.238, 1.870



52, 14.019, 118.105



25, 3.114, 0.268



26, 53.178, 23.494



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 46, 10.875, 279.653 looks on a white background.

Color Contrast Check

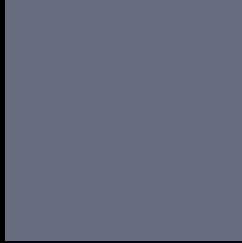
Large Text (above 18pt) WCAG AA ✓ Pass

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, 10.875, 279.653 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

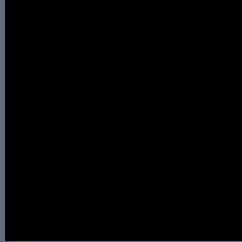
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

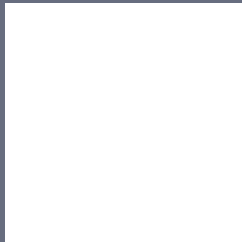
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 10.875, 279.653

Background



This preview shows how black text looks on a background with the CIELCh color 46, 10.875, 279.653.

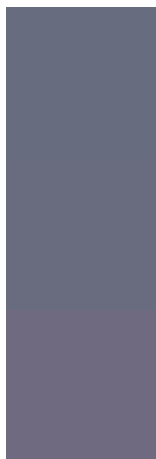


This preview shows how white text looks on a background with the CIELCh color 46, 10.875, 279.653.

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

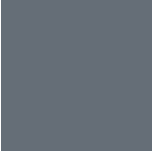
46, 10.875, 279.653

Protanopia

46, 10.742, 285.566

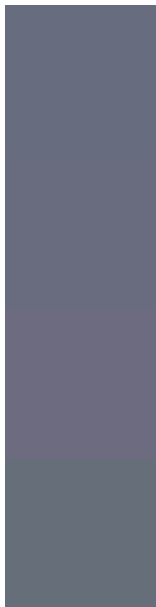
Deuteranopia

46, 12.689, 300.558



Tritanopia
46, 6.309, 257.416

Trichromacy



Original Color
46, 10.875, 279.653

Protanomaly
46, 10.780, 283.575

Deuteranomaly
46, 11.920, 293.641

Tritanomaly
46, 7.687, 267.645

Monochromacy



Original Color
46, 10.875, 279.653

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 3.642, 278.066

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 10.875, 279.653 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(103, 109, 127)` looks like.

```
.text, #text, p{  
    color:rgb(103, 109, 127)  
}
```

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(103, 109, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 109, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 10.875, 279.653 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(103, 109, 127) }
```

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

```
.border{ border-color:rgb(103, 109, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 109, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 109, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 109, 127);  
box-shadow:4px 4px 4px 4px rgb(103, 109,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 10.875, 279.653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 109, 127) }
```

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

```
.background{ background-color: rgb(103,  
109, 127) }
```

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