

Converting Colors

CIELCh(40, 43.694, 203.402)

Have a look what the booklet for
CIELCh(40, 43.694, 203.402)
contains.

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Color

CIELCh(42, 26.143, 211.614)

Conversions

Conversions Part 1

Format	Color
Hex	006E79
RGB	0, 110, 121
RGB Percent	0%, 43%, 47%
CMY	1.0000, 0.5688, 0.5257
CMYK	1.00, 0.09, 0.00, 0.53
HSL	185°, 100%, 24%
HSV	185°, 100%, 47%
XYZ	8.9811, 12.5000, 20.0077
YIQ	78.3640, -69.0910, -19.8990

Conversions

Conversions Part 2

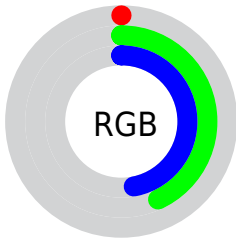
Format	Color
RYB	0, 58, 121
Decimal	28281
CIELab	42.00, -22.26, -13.70
CIELCh	42, 26.143, 211.614
Yxy	12.5000, 0.2165, 0.3013
Android (android.graphics.Color)	4278218361 (0xFF006E79)
YUV	78.3640, 21.0195, -68.7252
Hunter-Lab	35.3553, -16.5288, -8.8037

Details

The CIELCh color **42, 26.143, 211.614** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **25, 57.195, 39.833**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 25.961, 211.241**, and **23, 17.651, 219.348** is the 20% darker color. If you saturate the color by 10%, you get **42, 25.966, 211.734**, and if you desaturate by 10%, it is **43, 25.428, 210.506**.

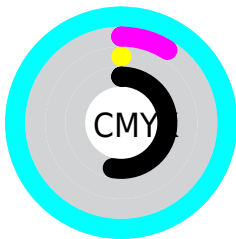
Distribution



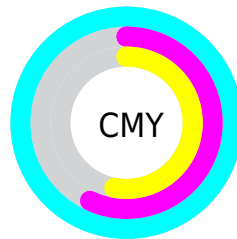
- Red (0%)
- Green (43%)
- Blue (47%)



- Red (0%)
- Yellow (23%)
- Blue (47%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (53%)





- Cyan (100%)
- Magenta (57%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 26.143, 211.614 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 42, 26.143, 211.614 by changing the saturation by 10% instead.


 42, 26.143,
211.614


 42, 26.143,
211.614


 100, 26.143,
211.614

 32, 26.143,
211.614

 62, 26.143,
211.614


 22, 26.143,
211.614

 72, 26.143,
211.614

 12, 26.143,
211.614

 82, 26.143,
211.614

 2, 26.143, 211.614

 92, 26.143,
211.614

 0, 26.143, 211.614

 42, 26.143,

 42, 26.143,

211.614

■ 42, 25.966,
211.734

211.614

■ 43, 25.428,
210.506

■ 43, 24.561,
209.439

■ 44, 23.147,
208.629

■ 44, 21.176,
208.047

■ 45, 18.669,
207.661

■ 46, 15.670,
207.443

■ 47, 12.239,
207.368

■ 48, 8.440, 207.414

Harmonies

Complementary

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



42, 26.143, 211.614



25, 57.195, 39.833

Rectangle

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



42, 26.143, 211.614



42, 26.143, 261.614



42, 26.143, 31.614



42, 26.143, 81.614

Sweetspot

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



42, 25.966, 211.734



61, 15.198, 207.369



44, 67.163, 137.116



31, 10.178, 207.383



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



42, 25.966, 211.734



54, 31.483, 212.165



23, 46.967, 289.603



25, 2.474, 207.606



43, 26.575, 211.792



84, 44.555, 212.722

Inverse Universe

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



27, 62.132, 332.059



37, 75.349, 332.164



35, 47.699, 69.236



24, 4.633, 327.468



28, 63.591, 332.073



58, 106.651, 332.301

Previews

White Background



This preview shows how the CIE LCh color 42, 26.143, 211.614 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 42, 26.143, 211.614 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

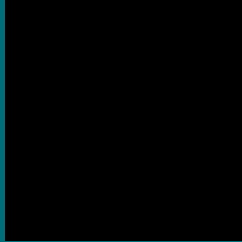
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 26.143, 211.614

Background



This preview shows how black text looks on a background with the CIELCh color 42, 26.143, 211.614.

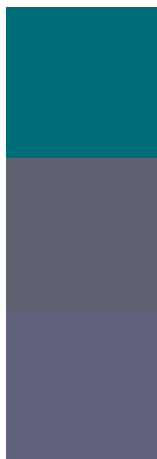


This preview shows how white text looks on a background with the CIELCh color 42, 26.143, 211.614.

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


42, 25.975, 211.740

Protanopia

42, 9.076, 289.051

Deuteranopia

42, 16.335, 291.252



Tritanopia
42, 26.030, 208.877

Trichromacy



Original Color
42, 25.975, 211.740

Protanomaly
41, 15.812, 230.853

Deuteranomaly
41, 18.103, 243.404

Tritanomaly
42, 25.995, 210.307

Monochromacy



Original Color
42, 25.975, 211.740

Achromatopsia
33, 0.005, 296.813

Achromatomaly
36, 14.531, 207.546

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 26.143, 211.614 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(0, 110, 121)` looks like.

```
.text, #text, p{  
    color:rgb(0, 110, 121)  
}
```

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(0, 110, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 110, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 26.143, 211.614 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(0, 110, 121) }
```

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

```
.border{ border-color:rgb(0, 110, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 110, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 110, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 110, 121);  
box-shadow:4px 4px 4px 4px rgb(0, 110,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 26.143, 211.614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 110, 121) }
```

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

```
.background{ background-color: rgb(0, 110,  
121) }
```

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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