

Converting Colors

CIELCh(42, 26.212, 220.693)

Have a look what the booklet for
CIELCh(42, 26.212, 220.693)
contains.

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Color

CIELCh(42, 26.082, 221.941)

Conversions

Conversions Part 1

Format	Color
Hex	006D7F
RGB	0, 109, 127
RGB Percent	0%, 43%, 50%
CMY	0.9986, 0.5721, 0.5015
CMYK	1.00, 0.14, 0.00, 0.50
HSL	189°, 99%, 25%
HSV	189°, 100%, 50%
XYZ	9.3240, 12.5000, 22.0411
YIQ	78.4610, -70.7420, -17.5100

Conversions

Conversions Part 2

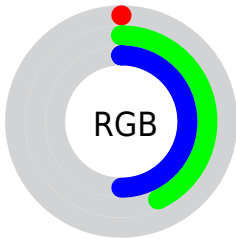
Format	Color
RYB	0, 59, 127
Decimal	28031
CIELab	42.00, -19.40, -17.43
CIELCh	42, 26.082, 221.941
Yxy	12.5000, 0.2126, 0.2850
Android (android.graphics.Color)	4278218111 (0xFF006D7F)
YUV	78.4610, 23.9297, -68.8103
Hunter-Lab	35.3553, -14.7973, -12.2136

Details

The CIELCh color **42, 26.082, 221.941** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **27, 58.746, 41.405**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 26.108, 221.896**, and **23, 18.615, 235.295** is the 20% darker color. If you saturate the color by 10%, you get **42, 26.098, 222.000**, and if you desaturate by 10%, it is **43, 25.507, 219.759**.

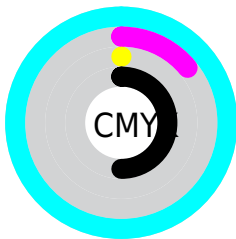
Distribution



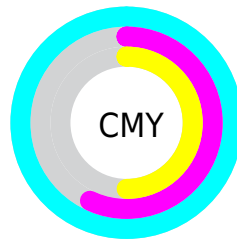
- Red (0%)
- Green (43%)
- Blue (50%)



- Red (0%)
- Yellow (23%)
- Blue (50%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (50%)





- Cyan (100%)
- Magenta (57%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 26.082, 221.941 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, 26.082, 221.941 by changing the saturation by 10% instead.


 42, 26.082,
221.941


 42, 26.082,
221.941


 100, 26.082,
221.941


 32, 26.082,
221.941

 62, 26.082,
221.941


 22, 26.082,
221.941

 72, 26.082,
221.941

 12, 26.082,
221.941

 82, 26.082,
221.941

 2, 26.082, 221.941

 92, 26.082,
221.941

 0, 26.082, 221.941

 42, 26.082,

 42, 26.082,

221.941

■ 42, 26.098,
222.000

221.941

■ 43, 25.507,
219.759

■ 44, 24.595,
217.862

■ 44, 23.145,
216.369

■ 45, 21.142,
215.227

■ 46, 18.608,
214.380

■ 48, 15.587,
213.780

■ 49, 12.139,
213.382

■ 50, 8.329, 213.154

Harmonies

Complementary

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



42, 26.082, 221.941



27, 58.746, 41.405

Rectangle

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



42, 26.082, 221.941



42, 26.082, 271.941



42, 26.082, 41.941



42, 26.082, 91.941

Sweetspot

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



42, 26.081, 221.941



63, 15.165, 213.414



46, 68.402, 137.817



32, 10.286, 213.540



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



42, 26.081, 221.941



54, 31.638, 222.697



22, 53.280, 293.269



26, 2.457, 213.090



42, 26.153, 222.009



0, 0.000, 0.000

Inverse Universe

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



28, 61.889, 334.575



38, 74.974, 334.767



38, 49.137, 73.619



25, 4.626, 329.074



29, 62.069, 334.594



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 42, 26.082, 221.941 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, 26.082, 221.941 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

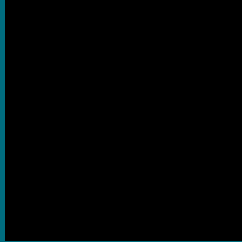
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 26.082, 221.941

Background



This preview shows how black text looks on a background with the CIELCh color 42, 26.082, 221.941.

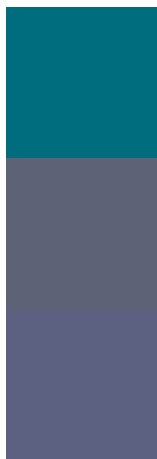


This preview shows how white text looks on a background with the CIELCh color 42, 26.082, 221.941.

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, 26.082, 221.941

Protanopia

42, 12.755, 285.240

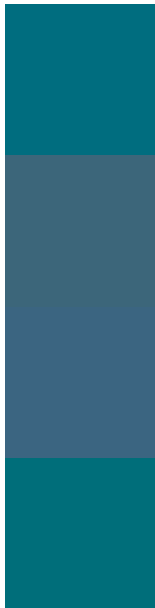
Deuteranopia

42, 19.993, 287.948



Tritanopia
42, 26.030, 208.877

Trichromacy



Original Color
42, 26.082, 221.941

Protanomaly
41, 17.957, 241.115

Deuteranomaly
41, 20.991, 253.116

Tritanomaly
42, 25.969, 213.175

Monochromacy



Original Color
42, 26.082, 221.941

Achromatopsia
34, 0.005, 296.813

Achromatomaly
36, 14.585, 212.618

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 26.082, 221.941 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, 109, 127)` looks like.

```
.text, #text, p{  
    color:rgb(0, 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(0, 109, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 109, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 26.082, 221.941 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, 109, 127) }
```

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

```
.border{ border-color:rgb(0, 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(0, 109, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 109, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 109, 127);  
box-shadow:4px 4px 4px 4px rgb(0, 109,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 26.082, 221.941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 109, 127) }
```

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

```
.background{ background-color: rgb(0, 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](#).

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