

Converting Colors

CIELCh(42, 27.015, 213.137)

Have a look what the booklet for
CIELCh(42, 27.015, 213.137)
contains.

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Color

CIELCh(42, 25.977, 214.611)

Conversions

Conversions Part 1

Format	Color
Hex	006E7B
RGB	0, 110, 123
RGB Percent	0%, 43%, 48%
CMY	1.0000, 0.5699, 0.5189
CMYK	1.00, 0.11, 0.00, 0.52
HSL	186°, 100%, 24%
HSV	186°, 100%, 48%
XYZ	9.0860, 12.5000, 20.5677
YIQ	78.5920, -69.7330, -19.2770

Conversions

Conversions Part 2

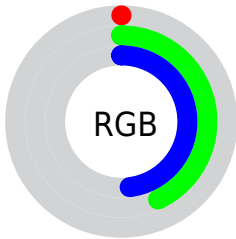
Format	Color
RYB	0, 58, 123
Decimal	28283
CIELab	42.00, -21.38, -14.75
CIElCh	42, 25.977, 214.611
Yxy	12.5000, 0.2155, 0.2965
Android (android.graphics.Color)	4278218363 (0xFF006E7B)
YUV	78.5920, 21.8931, -68.9252
Hunter-Lab	35.3553, -15.9990, -9.7427

Details

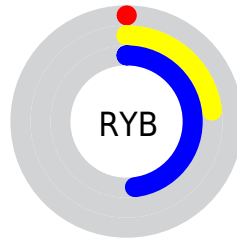
The CIELCh color **42, 25.977, 214.611** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **25, 57.691, 40.278**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 26.026, 213.828**, and **23, 17.844, 223.943** is the 20% darker color. If you saturate the color by 10%, you get **42, 25.925, 214.652**, and if you desaturate by 10%, it is **43, 25.392, 213.154**.

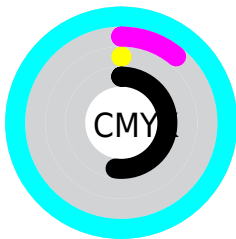
Distribution



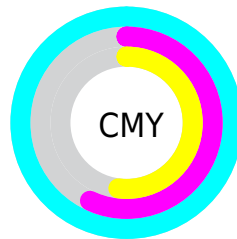
- Red (0%)
- Green (43%)
- Blue (48%)



- Red (0%)
- Yellow (23%)
- Blue (48%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (52%)





- Cyan (100%)
- Magenta (57%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 25.977, 214.611 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, 25.977, 214.611 by changing the saturation by 10% instead.


 42, 25.977,
214.611


 42, 25.977,
214.611


 100, 25.977,
214.611


 32, 25.977,
214.611

 62, 25.977,
214.611


 22, 25.977,
214.611

 72, 25.977,
214.611

 12, 25.977,
214.611

 82, 25.977,
214.611

 2, 25.977, 214.611

 92, 25.977,
214.611

 0, 25.977, 214.611

 42, 25.977,

 42, 25.977,

214.611

214.611

■ 42, 25.925,
214.652

■ 43, 25.392,
213.154

■ 43, 24.529,
211.849

■ 44, 23.119,
210.843

■ 45, 21.151,
210.100

■ 46, 18.647,
209.582

■ 47, 15.652,
209.254

■ 48, 12.225,
209.087

■ 49, 8.430, 209.054

Harmonies

Complementary

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



42, 25.977, 214.611



25, 57.691, 40.278

Rectangle

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



42, 25.977, 214.611



42, 25.977, 264.611



42, 25.977, 34.611



42, 25.977, 84.611

Sweetspot

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



42, 25.925, 214.652



61, 15.200, 209.094



44, 67.516, 137.324



31, 10.311, 209.140



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



42, 25.925, 214.652



54, 31.483, 215.166



22, 48.972, 290.914



25, 2.443, 209.173



43, 26.265, 214.690



83, 44.043, 215.808

Inverse Universe

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



28, 62.057, 332.774



37, 75.350, 332.900



36, 48.092, 70.673



24, 4.585, 327.927



28, 62.870, 332.783



58, 105.379, 333.057

Previews

White Background



This preview shows how the CIE LCh color 42, 25.977, 214.611 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, 25.977, 214.611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

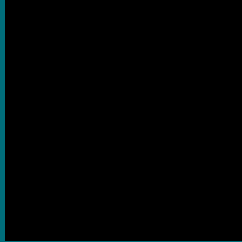
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 25.977, 214.611

Background



This preview shows how black text looks on a background with the CIELCh color 42, 25.977, 214.611.

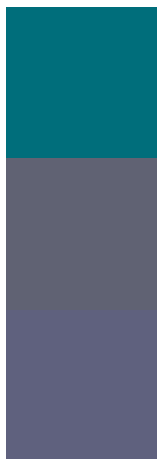


This preview shows how white text looks on a background with the CIELCh color 42, 25.977, 214.611.

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, 25.977, 214.611

Protanopia

42, 10.297, 287.390

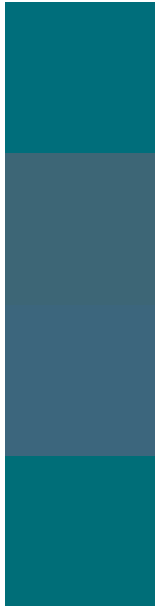
Deuteranopia

42, 17.544, 290.329



Tritanopia
42, 26.030, 208.877

Trichromacy



Original Color
42, 25.977, 214.611

Protanomaly
41, 16.550, 234.345

Deuteranomaly
41, 19.002, 245.995

Tritanomaly
42, 25.995, 210.307

Monochromacy



Original Color
42, 25.977, 214.611

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, 25.977, 214.611 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, 123)` looks like.

```
.text, #text, p{  
    color:rgb(0, 110, 123)  
}
```

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, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 110, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 25.977, 214.611 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, 123) }
```

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

```
.border{ border-color:rgb(0, 110, 123) }
```

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, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 110, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 110, 123);  
box-shadow:4px 4px 4px 4px rgb(0, 110,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 25.977, 214.611 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, 123) }
```

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

```
.background{ background-color: rgb(0, 110,  
123) }
```

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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