

Converting Colors

CIELCh(41, 35.775, 208.674)

Have a look what the booklet for
CIELCh(41, 35.775, 208.674)
contains.

CIELCh(42, 26.143, 214.462)	3
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Color

CIELCh(42, 26.143, 214.462)

Conversions

Conversions Part 1

Format	Color
Hex	006E7B
RGB	0, 110, 123
RGB Percent	0%, 43%, 48%
CMY	1.0000, 0.5696, 0.5187
CMYK	1.00, 0.11, 0.00, 0.52
HSL	186°, 100%, 24%
HSV	186°, 100%, 48%
XYZ	9.0651, 12.5000, 20.5882
YIQ	78.5920, -69.7330, -19.2770

Conversions

Conversions Part 2

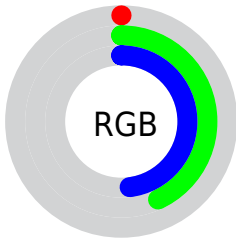
Format	Color
RYB	0, 58, 123
Decimal	28283
CIELab	42.00, -21.55, -14.79
CIELCh	42, 26.143, 214.462
Yxy	12.5000, 0.2151, 0.2965
Android (android.graphics.Color)	4278218363 (0xFF006E7B)
YUV	78.5920, 21.8931, -68.9252
Hunter-Lab	35.3553, -16.1044, -9.7772

Details

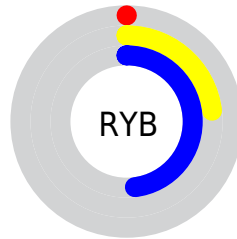
The CIELCh color **42, 26.143, 214.462** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **25, 57.717, 40.278**, and the grayscale version is **33, 0.005, 296.813**.

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, 25.936, 214.626**, and if you desaturate by 10%, it is **43, 25.403, 213.130**.

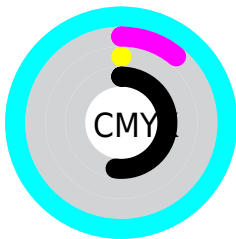
Distribution



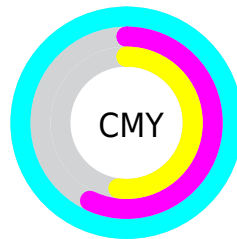
- Red (0%)
- Green (43%)
- Blue (48%)



- 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, 26.143, 214.462 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, 214.462 by changing the saturation by 10% instead.


 42, 26.143,
214.462


 42, 26.143,
214.462


 100, 26.143,
214.462


 32, 26.143,
214.462

 62, 26.143,
214.462

 22, 26.143,
214.462

 72, 26.143,
214.462

 12, 26.143,
214.462

 82, 26.143,
214.462

 2, 26.143, 214.462

 92, 26.143,
214.462

 0, 26.143, 214.462

 42, 26.143,

 42, 26.143,

214.462

214.462

■ 42, 25.936,
214.626

■ 43, 25.403,
213.130

■ 43, 24.540,
211.827

■ 44, 23.130,
210.823

■ 45, 21.161,
210.081

■ 46, 18.656,
209.564

■ 47, 15.660,
209.238

■ 48, 12.231,
209.071

■ 49, 8.435, 209.039

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, 214.462



25, 57.717, 40.278

Rectangle

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



42, 26.143, 214.462



42, 26.143, 264.462



42, 26.143, 34.462



42, 26.143, 84.462

Sweetspot

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



42, 25.936, 214.626



61, 15.202, 209.078



44, 67.541, 137.323



31, 10.312, 209.124



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, 25.936, 214.626



54, 31.486, 215.139



22, 48.992, 290.916



25, 2.443, 209.159



43, 26.268, 214.664



83, 44.047, 215.779

Inverse Universe

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



28, 62.084, 332.767



37, 75.358, 332.893



36, 48.108, 70.672



24, 4.585, 327.923



28, 62.877, 332.776



58, 105.390, 333.050

Previews

White Background



This preview shows how the CIE LCh color 42, 26.143, 214.462 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, 214.462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

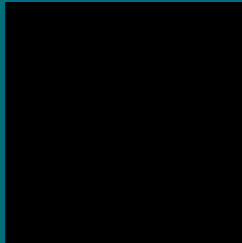
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 26.143, 214.462

Background



This preview shows how black text looks on a background with the CIELCh color 42, 26.143, 214.462.



This preview shows how white text looks on a background with the CIELCh color 42, 26.143, 214.462.

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](#).

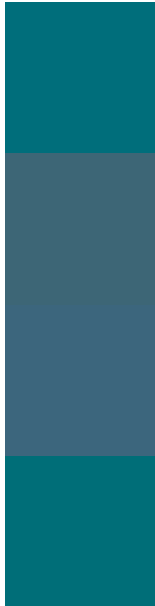
Dichromacy





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, 26.143, 214.462 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, 26.143, 214.462 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, 26.143, 214.462 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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