

Converting Colors

CIELCh(40, 40.602, 207.359)

Have a look what the booklet for
CIELCh(40, 40.602, 207.359)
contains.

CIELCh(42, 26.000, 216.045)	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(42, 26.000, 216.045)

Conversions

Conversions Part 1

Format	Color
Hex	006E7C
RGB	0, 110, 124
RGB Percent	0%, 43%, 49%
CMY	1.0000, 0.5702, 0.5154
CMYK	1.00, 0.11, 0.00, 0.52
HSL	187°, 100%, 24%
HSV	187°, 100%, 48%
XYZ	9.1287, 12.5000, 20.8615
YIQ	78.7060, -70.0540, -18.9660

Conversions

Conversions Part 2

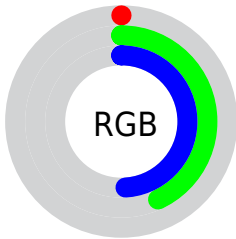
Format	Color
RYB	0, 58, 124
Decimal	28284
CIELab	42.00, -21.02, -15.30
CIELCh	42, 26.000, 216.045
Yxy	12.5000, 0.2148, 0.2942
Android (android.graphics.Color)	4278218364 (0xFF006E7C)
YUV	78.7060, 22.3299, -69.0252
Hunter-Lab	35.3553, -15.7836, -10.2355

Details

The CIELCh color **42, 26.000, 216.045** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **25, 57.945, 40.504**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 26.139, 216.398**, and **24, 17.978, 226.200** is the 20% darker color. If you saturate the color by 10%, you get **42, 25.933, 216.102**, and if you desaturate by 10%, it is **43, 25.398, 214.469**.

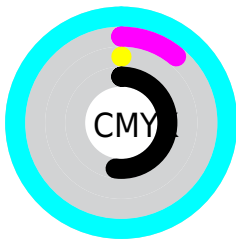
Distribution



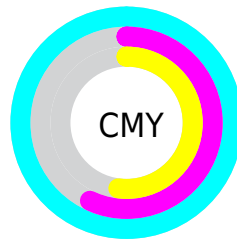
- Red (0%)
- Green (43%)
- Blue (49%)



- Red (0%)
- Yellow (23%)
- Blue (49%)



- 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, 26.000, 216.045 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, 26.000, 216.045 by changing the saturation by 10% instead.


 42, 26.000,
216.045


 42, 26.000,
216.045


 100, 26.000,
216.045


 32, 26.000,
216.045

 62, 26.000,
216.045


 22, 26.000,
216.045

 72, 26.000,
216.045

 12, 26.000,
216.045

 82, 26.000,
216.045

 2, 26.000, 216.045

 92, 26.000,
216.045

 0, 26.000, 216.045

 42, 26.000,

 42, 26.000,

216.045

■ 42, 25.933,
216.102

216.045

■ 43, 25.398,
214.469

■ 43, 24.533,
213.045

■ 44, 23.121,
211.941

■ 45, 21.153,
211.117

■ 46, 18.648,
210.533

■ 47, 15.652,
210.151

■ 48, 12.224,
209.937

■ 49, 8.430, 209.866

Harmonies

Complementary

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



42, 26.000, 216.045



25, 57.945, 40.504

Rectangle

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



42, 26.000, 216.045



42, 26.000, 266.045



42, 26.000, 36.045



42, 26.000, 86.045

Sweetspot

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



42, 25.933, 216.102



61, 15.110, 209.948



45, 67.888, 137.314



31, 10.250, 210.009



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, 25.933, 216.102



54, 31.332, 216.643



23, 49.269, 290.946



25, 2.428, 209.948



42, 26.137, 216.127



82, 43.836, 217.337

Inverse Universe

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



28, 62.037, 333.130



37, 74.926, 333.263



36, 48.347, 70.646



24, 4.561, 328.154



28, 62.524, 333.136



58, 104.768, 333.434

Previews

White Background



This preview shows how the CIE LCh color 42, 26.000, 216.045 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, 26.000, 216.045 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

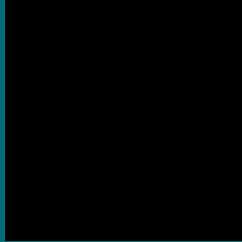
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 26.000, 216.045

Background



This preview shows how black text looks on a background with the CIELCh color 42, 26.000, 216.045.

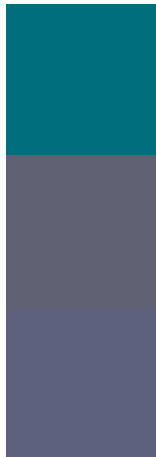


This preview shows how white text looks on a background with the CIELCh color 42, 26.000, 216.045.

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, 26.000, 216.045

Protanopia

42, 10.899, 287.731

Deuteranopia

42, 17.556, 289.147



Tritanopia
42, 26.030, 208.877

Trichromacy



Original Color
42, 26.000, 216.045

Protanomaly
41, 16.828, 236.281

Deuteranomaly
41, 19.002, 245.995

Tritanomaly
42, 25.975, 211.740

Monochromacy



Original Color
42, 26.000, 216.045

Achromatopsia
33, 0.005, 296.813

Achromatomaly
35, 14.307, 212.967

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 26.000, 216.045 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, 124)` looks like.

```
.text, #text, p{  
    color:rgb(0, 110, 124)  
}
```

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, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 110, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 26.000, 216.045 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, 124) }
```

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

```
.border{ border-color:rgb(0, 110, 124) }
```

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, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 110, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 110, 124);  
box-shadow:4px 4px 4px 4px rgb(0, 110,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 26.000, 216.045 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, 124) }
```

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

```
.background{ background-color: rgb(0, 110,  
124) }
```

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