

Converting Colors

CIELCh(40, 51.096, 206.010)

Have a look what the booklet for
CIELCh(40, 51.096, 206.010)
contains.

CIELCh(43, 26.633, 219.753)	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>	26

Color

CIELCh(43, 26.633, 219.753)

Conversions

Conversions Part 1

Format	Color
Hex	007081
RGB	0, 112, 129
RGB Percent	0%, 44%, 51%
CMY	1.0000, 0.5607, 0.4941
CMYK	1.00, 0.13, 0.00, 0.49
HSL	188°, 100%, 25%
HSV	188°, 100%, 51%
XYZ	9.7220, 13.1578, 22.7945
YIQ	80.4500, -72.2090, -18.4570

Conversions

Conversions Part 2

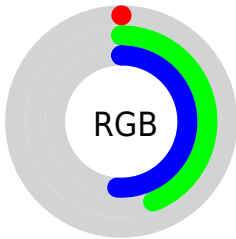
Format	Color
RYB	0, 60, 129
Decimal	28801
CIELab	43.00, -20.48, -17.03
CIELCh	43, 26.633, 219.753
Yxy	13.1578, 0.2129, 0.2881
Android (android.graphics.Color)	4278218881 (0xFF007081)
YUV	80.4500, 23.9351, -70.5547
Hunter-Lab	36.2736, -15.6376, -11.8665

Details

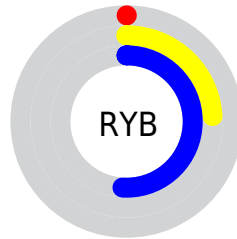
The CIELCh color **43, 26.633, 219.753** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **27, 59.808, 41.217**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 26.432, 220.127**, and **24, 18.827, 231.868** is the 20% darker color. If you saturate the color by 10%, you get **43, 26.476, 219.910**, and if you desaturate by 10%, it is **44, 25.930, 217.904**.

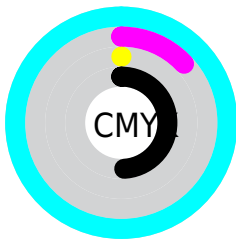
Distribution



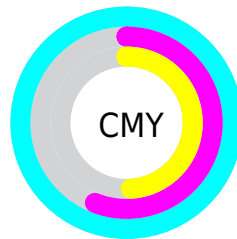
- Red (0%)
- Green (44%)
- Blue (51%)



- Red (0%)
- Yellow (24%)
- Blue (51%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (49%)





- Cyan (100%)
- Magenta (56%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 26.633, 219.753 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 43, 26.633, 219.753 by changing the saturation by 10% instead.


 43, 26.633,
219.753


 43, 26.633,
219.753


 100, 26.633,
219.753


 33, 26.633,
219.753

 63, 26.633,
219.753


 23, 26.633,
219.753

 73, 26.633,
219.753

 13, 26.633,
219.753

 83, 26.633,
219.753

 3, 26.633, 219.753

 93, 26.633,
219.753

 0, 26.633, 219.753

 43, 26.633,

 43, 26.633,

219.753

■ 43, 26.476,
219.910

219.753

■ 44, 25.930,
217.904

■ 44, 25.042,
216.160

■ 45, 23.601,
214.793

■ 46, 21.592,
213.754

■ 47, 19.035,
212.993

■ 48, 15.977,
212.466

■ 50, 12.478,
212.130

■ 51, 8.605, 211.955

Harmonies

Complementary

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



43, 26.633, 219.753



27, 59.808, 41.217

Rectangle

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



43, 26.633, 219.753



43, 26.633, 269.753



43, 26.633, 39.753



43, 26.633, 89.753

Sweetspot

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



43, 26.476, 219.910



64, 15.468, 212.148



47, 69.697, 137.505



32, 10.362, 212.250



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



43, 26.476, 219.910



56, 32.110, 220.542



23, 52.567, 292.305



26, 2.476, 211.941



43, 26.256, 219.879



0, 0.000, 0.000

Inverse Universe

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



29, 63.075, 334.070



39, 76.420, 334.228



38, 49.798, 72.003



25, 4.660, 328.739



29, 62.554, 334.063



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 43, 26.633, 219.753 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 43, 26.633, 219.753 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

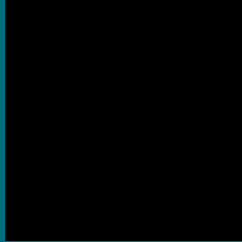
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 26.633, 219.753

Background



This preview shows how black text looks on a background with the CIELCh color 43, 26.633, 219.753.

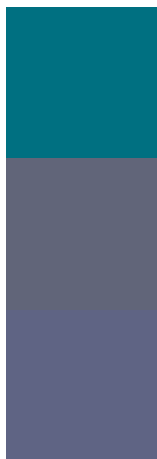


This preview shows how white text looks on a background with the CIELCh color 43, 26.633, 219.753.

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

43, 26.475, 219.940

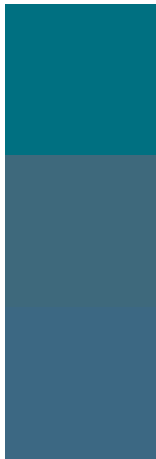
Protanopia

43, 12.095, 284.724

Deuteranopia

43, 19.295, 287.591

Trichromacy



Original Color
43, 26.475, 219.940

Protanomaly
42, 17.832, 238.561

Deuteranomaly
42, 20.855, 250.387

Monochromacy



Original Color
43, 26.475, 219.940

Achromatopsia
34, 0.005, 296.813

Achromatomaly
36, 14.866, 212.261

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 26.633, 219.753 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, 112, 129)` looks like.

```
.text, #text, p{  
    color:rgb(0, 112, 129)  
}
```

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, 112, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 112, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 26.633, 219.753 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, 112, 129) }
```

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

```
.border{ border-color:rgb(0, 112, 129) }
```

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

Here you see how a box with a 4 pixel rgb(0, 112, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 112, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 112, 129);  
box-shadow:4px 4px 4px 4px rgb(0, 112,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 26.633, 219.753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 112, 129) }
```

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

```
.background{ background-color: rgb(0, 112,  
129) }
```

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