

Converting Colors

CIELCh(43, 27.530, 196.215)

Have a look what the booklet for
CIELCh(43, 27.530, 196.215)
contains.

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Color

CIELCh(43, 27.771, 195.109)

Conversions

Conversions Part 1

Format	Color
Hex	007271
RGB	0, 114, 113
RGB Percent	0%, 45%, 44%
CMY	0.9990, 0.5541, 0.5580
CMYK	1.00, 0.00, 0.01, 0.55
HSL	179°, 100%, 22%
HSV	179°, 100%, 45%
XYZ	8.9530, 13.1578, 17.6078
YIQ	79.8000, -67.6230, -24.4790

Conversions

Conversions Part 2

Format	Color
RYB	0, 57, 114
Decimal	29297
CIELab	43.00, -26.81, -7.24
CIELCh	43, 27.771, 195.109
Yxy	13.1578, 0.2254, 0.3313
Android (android.graphics.Color)	4278219377 (0xFF007271)
YUV	79.8000, 16.3676, -69.9846
Hunter-Lab	36.2736, -19.4217, -3.3888

Details

The CIELCh color **43, 27.771, 195.109** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **22, 55.153, 36.878**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 27.739, 195.901**, and **24, 18.808, 196.386** is the 20% darker color. If you saturate the color by 10%, you get **43, 27.788, 195.104**, and if you desaturate by 10%, it is **43, 27.001, 195.283**.

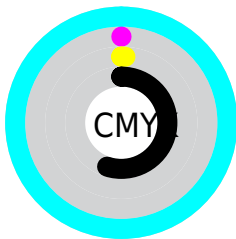
Distribution



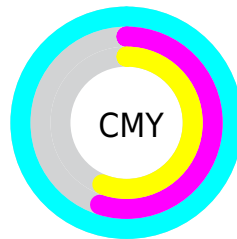
- Red (0%)
- Green (45%)
- Blue (44%)



- Red (0%)
- Yellow (22%)
- Blue (45%)



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (55%)




- Cyan (100%)
- Magenta (55%)
- Yellow (56%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 43, 27.771, 195.109 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, 27.771, 195.109 by changing the saturation by 10% instead.

 43, 27.771,
195.109


 43, 27.771,
195.109


 100, 27.771,
195.109


 33, 27.771,
195.109

 63, 27.771,
195.109


 23, 27.771,
195.109

 73, 27.771,
195.109

 13, 27.771,
195.109

 83, 27.771,
195.109

 3, 27.771, 195.109

 93, 27.771,
195.109

 0, 27.771, 195.109

 43, 27.771,

 43, 27.771,

195.109

■ 43, 27.788,
195.104

195.109

■ 43, 27.001,
195.283

■ 43, 25.917,
195.484

■ 44, 24.300,
195.728

■ 44, 22.139,
196.020

■ 44, 19.449,
196.361

■ 45, 16.272,
196.752

■ 45, 12.662,
197.191

■ 46, 8.685, 197.678

Harmonies

Complementary

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



43, 27.771, 195.109



22, 55.153, 36.878

Rectangle

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



43, 27.771, 195.109



43, 27.771, 245.109



43, 27.771, 15.109



43, 27.771, 65.109

Sweetspot

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



43, 27.771, 195.108



58, 15.767, 197.145



41, 65.831, 135.909



29, 10.561, 197.000



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



43, 27.771, 195.108



55, 33.598, 195.071



25, 36.839, 280.099



23, 2.512, 198.278



45, 28.851, 195.097



89, 49.292, 195.024

Inverse Universe

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



22, 55.153, 36.878



30, 68.710, 39.011



30, 46.607, 60.929



22, 2.649, 19.145



24, 57.761, 37.447



52, 101.833, 39.747

Previews

White Background



This preview shows how the CIELCh color 43, 27.771, 195.109 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, 27.771, 195.109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

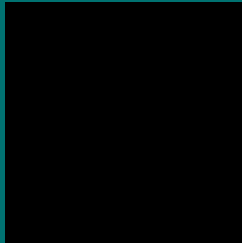
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 27.771, 195.109

Background



This preview shows how black text looks on a background with the CIELCh color 43, 27.771, 195.109.



This preview shows how white text looks on a background with the CIELCh color 43, 27.771, 195.109.

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, 27.837, 195.105

Protanopia

43, 2.451, 300.125

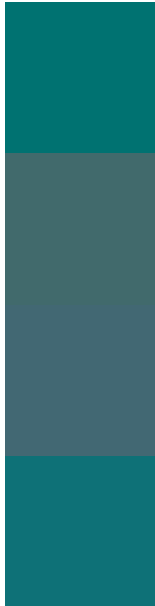
Deuteranopia

43, 10.469, 302.440



Tritanopia
43, 24.751, 211.105

Trichromacy



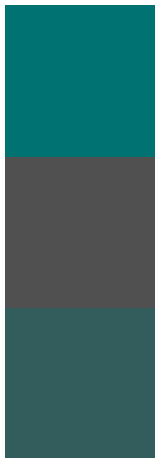
Original Color
43, 27.837, 195.105

Protanomaly
42, 14.856, 202.407

Deuteranomaly
42, 14.663, 225.254

Tritanomaly
43, 25.835, 204.787

Monochromacy



Original Color
43, 27.837, 195.105

Achromatopsia
34, 0.005, 296.813

Achromatomaly
36, 15.029, 197.470

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 27.771, 195.109 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, 114, 113)` looks like.

```
.text, #text, p{  
    color:rgb(0, 114, 113)  
}
```

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, 114, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 114, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 27.771, 195.109 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, 114, 113) }
```

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

```
.border{ border-color:rgb(0, 114, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 114, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 114, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 114, 113);  
box-shadow:4px 4px 4px 4px rgb(0, 114,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 27.771, 195.109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 114, 113) }
```

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

```
.background{ background-color: rgb(0, 114,  
113) }
```

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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