

Converting Colors

CIELCh(42, 34.883, 191.010)

Have a look what the booklet for
CIELCh(42, 34.883, 191.010)
contains.

CIELCh(43, 28.631, 190.143)	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(43, 28.631, 190.143)

Conversions

Conversions Part 1

Format	Color
Hex	00726D
RGB	0, 114, 109
RGB Percent	0%, 45%, 43%
CMY	0.9992, 0.5527, 0.5723
CMYK	1.00, 0.00, 0.04, 0.55
HSL	177°, 100%, 22%
HSV	177°, 100%, 45%
XYZ	8.7919, 13.1578, 16.5642
YIQ	79.3440, -66.3390, -25.7230

Conversions

Conversions Part 2

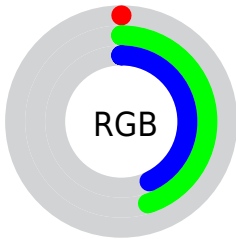
Format	Color
RYB	0, 58, 114
Decimal	29293
CIELab	43.00, -28.18, -5.04
CIELCh	43, 28.631, 190.143
Yxy	13.1578, 0.2283, 0.3416
Android (android.graphics.Color)	4278219373 (0xFF00726D)
YUV	79.3440, 14.6204, -69.5847
Hunter-Lab	36.2736, -20.2143, -1.6831

Details

The CIELCh color **43, 28.631, 190.143** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **22, 54.444, 35.520**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 28.480, 190.145**, and **24, 19.442, 190.312** is the 20% darker color. If you saturate the color by 10%, you get **43, 28.646, 190.133**, and if you desaturate by 10%, it is **43, 27.755, 190.679**.

Distribution



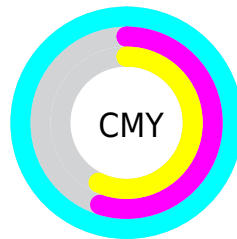
- Red (0%)
- Green (45%)
- Blue (43%)



- Red (0%)
- Yellow (23%)
- Blue (45%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (55%)



- Cyan (100%)
- Magenta (55%)
- Yellow (57%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 43, 28.631, 190.143 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, 28.631, 190.143 by changing the saturation by 10% instead.


 43, 28.631,
190.143


 43, 28.631,
190.143


 100, 28.631,
190.143

 33, 28.631,
190.143

 63, 28.631,
190.143

 23, 28.631,
190.143

 73, 28.631,
190.143

 13, 28.631,
190.143

 83, 28.631,
190.143

 3, 28.631, 190.143

 93, 28.631,
190.143

 0, 28.631, 190.143

 43, 28.631,

 43, 28.631,

190.143

190.143

■ 43, 28.646,
190.133

■ 43, 27.755,
190.679

■ 43, 26.566,
191.217

■ 44, 24.842,
191.747

■ 44, 22.573,
192.281

■ 44, 19.783,
192.826

■ 45, 16.514,
193.387

■ 46, 12.826,
193.968

■ 46, 8.785, 194.574

Harmonies

Complementary

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



43, 28.631, 190.143



22, 54.444, 35.520

Rectangle

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



43, 28.631, 190.143



43, 28.631, 240.143



43, 28.631, 10.143



43, 28.631, 60.143

Sweetspot

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



43, 28.631, 190.142



58, 15.911, 193.912



41, 65.773, 135.662



29, 10.666, 193.724



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, 28.631, 190.142



55, 34.587, 189.978



26, 34.616, 276.367



23, 2.523, 195.282



45, 29.681, 190.101



88, 50.804, 189.755

Inverse Universe

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



22, 54.444, 35.520



30, 67.470, 37.587



29, 47.274, 58.236



22, 2.651, 16.293



24, 56.819, 36.046



52, 100.497, 38.768

Previews

White Background



This preview shows how the CIELCh color 43, 28.631, 190.143 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, 28.631, 190.143 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

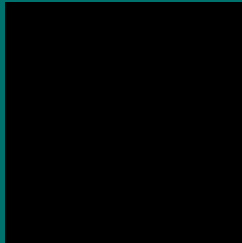
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 28.631, 190.143

Background



This preview shows how black text looks on a background with the CIELCh color 43, 28.631, 190.143.



This preview shows how white text looks on a background with the CIELCh color 43, 28.631, 190.143.

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, 28.631, 190.143

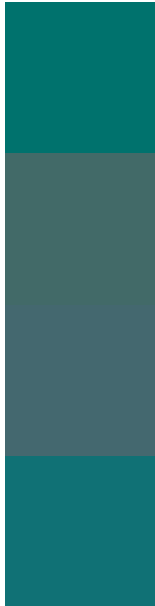
Protanopia
43, 0.831, 19.106

Deuteranopia
43, 8.358, 310.870



Tritanopia
43, 24.435, 209.827

Trichromacy



Original Color
43, 28.631, 190.143

Protanomaly
42, 14.902, 192.958

Deuteranomaly
42, 13.510, 216.407

Tritanomaly
43, 25.853, 202.023

Monochromacy



Original Color
43, 28.631, 190.143

Achromatopsia
34, 0.005, 296.813

Achromatomaly
36, 15.576, 192.768

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 28.631, 190.143 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, 109)` looks like.

```
.text, #text, p{  
    color:rgb(0, 114, 109)  
}
```

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, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 114, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 28.631, 190.143 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, 109) }
```

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

```
.border{ border-color:rgb(0, 114, 109) }
```

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, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 114, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 114, 109);  
box-shadow:4px 4px 4px 4px rgb(0, 114,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 28.631, 190.143 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, 109) }
```

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

```
.background{ background-color: rgb(0, 114,  
109) }
```

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