

Converting Colors

CIELCh(43, 27.788, 196.422)

Have a look what the booklet for
CIELCh(43, 27.788, 196.422)
contains.

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Color

CIELCh(43, 27.668, 196.386)

Conversions

Conversions Part 1

Format	Color
Hex	007272
RGB	0, 114, 114
RGB Percent	0%, 45%, 45%
CMY	1.0000, 0.5543, 0.5543
CMYK	1.00, 0.00, 0.00, 0.55
HSL	180°, 100%, 22%
HSV	180°, 100%, 45%
XYZ	8.9845, 13.1578, 17.8839
YIQ	79.9140, -67.9440, -24.1680

Conversions

Conversions Part 2

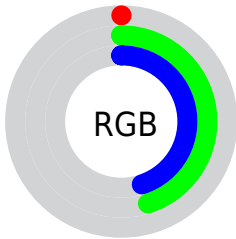
Format	Color
RYB	0, 57, 114
Decimal	29298
CIELab	43.00, -26.54, -7.81
CIELCh	43, 27.668, 196.386
Yxy	13.1578, 0.2245, 0.3287
Android (android.graphics.Color)	4278219378 (0xFF007272)
YUV	79.9140, 16.8044, -70.0846
Hunter-Lab	36.2736, -19.2666, -3.8401

Details

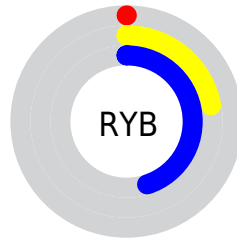
The CIELCh color **43, 27.668, 196.386** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **22, 55.441, 37.250**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 27.404, 197.103**, and **24, 18.639, 198.494** is the 20% darker color. If you saturate the color by 10%, you get **43, 27.607, 196.391**, and if you desaturate by 10%, it is **43, 26.861, 196.468**.

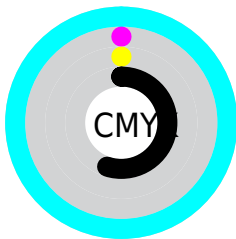
Distribution



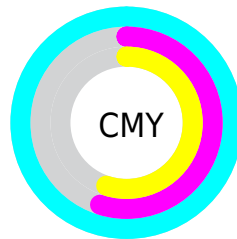
- Red (0%)
- Green (45%)
- Blue (45%)



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



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



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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 43, 27.668, 196.386 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, 27.668, 196.386 by changing the saturation by 10% instead.

 43, 27.668,
196.386


 43, 27.668,
196.386

 100, 27.668,
196.386


 33, 27.668,
196.386

 63, 27.668,
196.386


 23, 27.668,
196.386

 73, 27.668,
196.386

 13, 27.668,
196.386

 83, 27.668,
196.386

 3, 27.668, 196.386

 93, 27.668,
196.386

 0, 27.668, 196.386

 43, 27.668,

 43, 27.668,

196.386

196.386

■ 43, 27.607,
196.391

■ 43, 26.861,
196.468

■ 43, 25.812,
196.577

■ 44, 24.231,
196.743

■ 44, 22.105,
196.969

■ 44, 19.449,
197.254

■ 45, 16.302,
197.598

■ 45, 12.719,
197.997

■ 46, 8.763, 198.451

Harmonies

Complementary

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



43, 27.668, 196.386



22, 55.441, 37.250

Rectangle

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



43, 27.668, 196.386



43, 27.668, 246.386



43, 27.668, 16.386



43, 27.668, 66.386

Sweetspot

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



43, 27.607, 196.391



58, 15.738, 197.964



41, 65.986, 136.016



29, 10.540, 197.831



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, 27.607, 196.391



55, 33.386, 196.391



24, 38.126, 281.914



23, 2.511, 199.032



45, 28.673, 196.391



89, 48.970, 196.391

Inverse Universe

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



26, 63.665, 328.234



35, 76.991, 328.234



31, 46.459, 62.285



22, 4.583, 324.886



28, 66.122, 328.234



59, 112.928, 328.234

Previews

White Background



This preview shows how the CIELCh color 43, 27.668, 196.386 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, 27.668, 196.386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

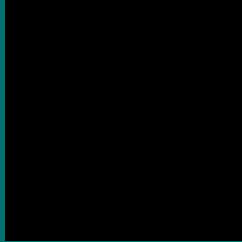
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 27.668, 196.386

Background



This preview shows how black text looks on a background with the CIELCh color 43, 27.668, 196.386.

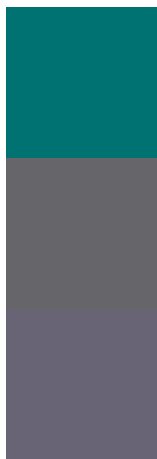


This preview shows how white text looks on a background with the CIELCh color 43, 27.668, 196.386.

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, 27.668, 196.386

Protanopia

43, 3.046, 298.296

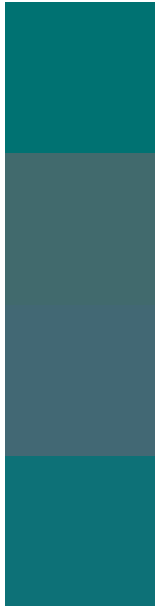
Deuteranopia

43, 11.060, 301.900



Tritanopia
43, 24.853, 211.036

Trichromacy



Original Color
43, 27.668, 196.386

Protanomaly
42, 14.825, 204.807

Deuteranomaly
42, 14.863, 227.548

Tritanomaly
43, 25.910, 204.756

Monochromacy



Original Color
43, 27.668, 196.386

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, 27.668, 196.386 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, 114)` looks like.

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

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, 114) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 43, 27.668, 196.386 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, 114) }
```

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

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

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, 114)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 43, 27.668, 196.386 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, 114) }
```

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

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

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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