

Converting Colors

CIELCh(44, 30.233, 197.556)

Have a look what the booklet for
CIELCh(44, 30.233, 197.556)
contains.

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Color

CIELCh(44, 28.028, 197.653)

Conversions

Conversions Part 1

Format	Color
Hex	007475
RGB	0, 116, 117
RGB Percent	0%, 45%, 46%
CMY	1.0000, 0.5439, 0.5400
CMYK	1.00, 0.01, 0.00, 0.54
HSL	181°, 100%, 23%
HSV	181°, 100%, 46%
XYZ	9.4842, 13.8382, 19.0949
YIQ	81.4300, -69.4570, -24.2810

Conversions

Conversions Part 2

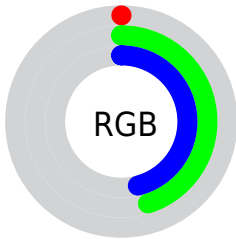
Format	Color
RYB	0, 58, 117
Decimal	29813
CIELab	44.00, -26.71, -8.50
CIELCh	44, 28.028, 197.653
Yxy	13.8382, 0.2236, 0.3262
Android (android.graphics.Color)	4278219893 (0xFF007475)
YUV	81.4300, 17.5360, -71.4141
Hunter-Lab	37.1997, -19.5903, -4.3941

Details

The CIELCh color **44, 28.028, 197.653** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **23, 56.830, 37.772**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 28.100, 197.076**, and **25, 18.872, 200.530** is the 20% darker color. If you saturate the color by 10%, you get **44, 27.906, 197.670**, and if you desaturate by 10%, it is **44, 27.196, 197.646**.

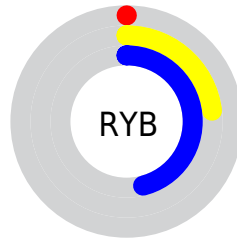
Distribution



Red (0%)

Green (45%)

Blue (46%)



Red (0%)

Yellow (23%)

Blue (46%)

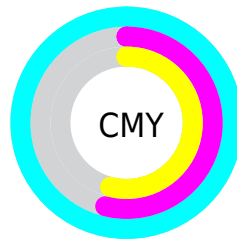


Cyan (100%)

Magenta (1%)

Yellow (0%)

Black (54%)



Cyan (100%)

Magenta (54%)

Yellow (54%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 28.028, 197.653 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 44, 28.028, 197.653 by changing the saturation by 10% instead.

 44, 28.028,
197.653

 44, 28.028,
197.653


 100, 28.028,
197.653

 34, 28.028,
197.653

 64, 28.028,
197.653

 24, 28.028,
197.653

 74, 28.028,
197.653

 14, 28.028,
197.653

 84, 28.028,
197.653

 4, 28.028, 197.653

 94, 28.028,
197.653

 0, 28.028, 197.653

 44, 28.028,

 44, 28.028,

197.653

197.653

■ 44, 27.906,
197.670

■ 44, 27.196,
197.646

■ 44, 26.164,
197.663

■ 45, 24.584,
197.751

■ 45, 22.443,
197.912

■ 45, 19.758,
198.143

■ 46, 16.569,
198.442

■ 47, 12.931,
198.803

■ 48, 8.912, 199.224

Harmonies

Complementary

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



44, 28.028, 197.653



23, 56.830, 37.772

Rectangle

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



44, 28.028, 197.653



44, 28.028, 247.653



44, 28.028, 17.653



44, 28.028, 67.653

Sweetspot

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



44, 27.906, 197.670



60, 16.029, 198.773



42, 67.490, 136.016



30, 10.736, 198.649



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



44, 27.906, 197.670



57, 33.814, 197.703



25, 39.125, 282.087



24, 2.583, 199.772



46, 28.767, 197.675



89, 48.740, 197.748

Inverse Universe

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



27, 64.698, 328.562



36, 78.406, 328.571



32, 47.617, 62.190



23, 4.730, 325.119



28, 66.696, 328.564



59, 113.035, 328.582

Previews

White Background



This preview shows how the CIELCh color 44, 28.028, 197.653 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 44, 28.028, 197.653 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

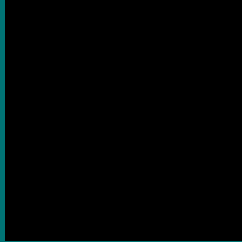
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 28.028, 197.653

Background



This preview shows how black text looks on a background with the CIELCh color 44, 28.028, 197.653.

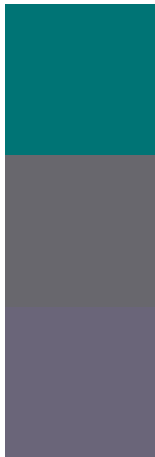


This preview shows how white text looks on a background with the CIELCh color 44, 28.028, 197.653.

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


44, 27.856, 197.663

Protanopia

44, 3.630, 297.087

Deuteranopia

44, 12.203, 300.981



Tritanopia
44, 25.505, 210.577

Trichromacy



Original Color
44, 27.856, 197.663

Protanomaly
43, 15.109, 206.988

Deuteranomaly
43, 15.573, 228.477

Tritanomaly
44, 26.202, 206.005

Monochromacy



Original Color
44, 27.856, 197.663

Achromatopsia
35, 0.005, 296.813

Achromatomaly
37, 15.231, 199.835

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 28.028, 197.653 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, 116, 117)` looks like.

```
.text, #text, p{  
    color:rgb(0, 116, 117)  
}
```

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, 116, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 116, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 28.028, 197.653 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, 116, 117) }
```

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

```
.border{ border-color:rgb(0, 116, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 116, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 116, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 116, 117);  
box-shadow:4px 4px 4px 4px rgb(0, 116,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 28.028, 197.653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 116, 117) }
```

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

```
.background{ background-color: rgb(0, 116,  
117) }
```

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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