

Converting Colors

CIELCh(42, 42.076, 196.851)

Have a look what the booklet for
CIELCh(42, 42.076, 196.851)
contains.

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Color

CIELCh(44, 27.711, 198.953)

Conversions

Conversions Part 1

Format	Color
Hex	007476
RGB	0, 116, 118
RGB Percent	0%, 45%, 46%
CMY	0.9984, 0.5445, 0.5367
CMYK	1.00, 0.02, 0.00, 0.54
HSL	181°, 99%, 23%
HSV	181°, 100%, 46%
XYZ	9.5456, 13.8382, 19.3523
YIQ	81.5440, -69.7780, -23.9700

Conversions

Conversions Part 2

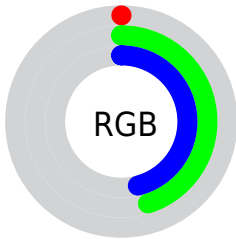
Format	Color
RYB	0, 58, 118
Decimal	29814
CIELab	44.00, -26.21, -9.00
CIELCh	44, 27.711, 198.953
Yxy	13.8382, 0.2234, 0.3238
Android (android.graphics.Color)	4278219894 (0xFF007476)
YUV	81.5440, 17.9728, -71.5141
Hunter-Lab	37.1997, -19.2956, -4.8044

Details

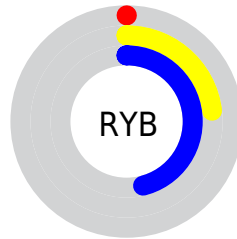
The CIELCh color **44, 27.711, 198.953** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **23, 56.914, 37.970**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 27.452, 199.491**, and **25, 18.747, 202.649** is the 20% darker color. If you saturate the color by 10%, you get **44, 27.734, 198.956**, and if you desaturate by 10%, it is **44, 27.027, 198.826**.

Distribution



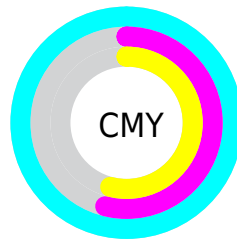
- Red (0%)
- Green (45%)
- Blue (46%)



- Red (0%)
- Yellow (23%)
- Blue (46%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (54%)



- Cyan (100%)
- Magenta (54%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 27.711, 198.953 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, 27.711, 198.953 by changing the saturation by 10% instead.


 44, 27.711,
198.953


 44, 27.711,
198.953


 100, 27.711,
198.953


 34, 27.711,
198.953


 64, 27.711,
198.953


 24, 27.711,
198.953


 74, 27.711,
198.953

 14, 27.711,
198.953

 84, 27.711,
198.953

 4, 27.711, 198.953

 94, 27.711,
198.953

 0, 27.711, 198.953

 44, 27.711,

 44, 27.711,

198.953

■ 44, 27.734,
198.956

198.953

■ 44, 27.027,
198.826

■ 44, 26.000,
198.753

■ 45, 24.421,
198.766

■ 45, 22.279,
198.864

■ 46, 19.591,
199.043

■ 46, 16.399,
199.298

■ 47, 12.761,
199.622

■ 48, 8.742, 200.011

Harmonies

Complementary

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



44, 27.711, 198.953



23, 56.914, 37.970

Rectangle

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



44, 27.711, 198.953



44, 27.711, 248.953



44, 27.711, 18.953



44, 27.711, 68.953

Sweetspot

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



44, 27.711, 198.952



60, 15.890, 199.583



43, 67.356, 136.268



30, 10.642, 199.472



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, 27.711, 198.952



56, 33.427, 199.022



25, 40.501, 283.638



24, 2.561, 200.513



46, 28.444, 198.966



88, 48.163, 199.113

Inverse Universe

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



27, 64.538, 328.885



36, 77.901, 328.907



32, 47.466, 63.598



23, 4.703, 325.346



28, 66.275, 328.893



59, 112.282, 328.930

Previews

White Background



This preview shows how the CIE LCh color 44, 27.711, 198.953 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, 27.711, 198.953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

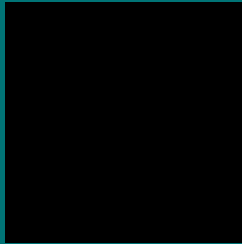
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 27.711, 198.953

Background



This preview shows how black text looks on a background with the CIELCh color 44, 27.711, 198.953.



This preview shows how white text looks on a background with the CIELCh color 44, 27.711, 198.953.

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, 27.711, 198.953

Protanopia

44, 4.227, 296.247

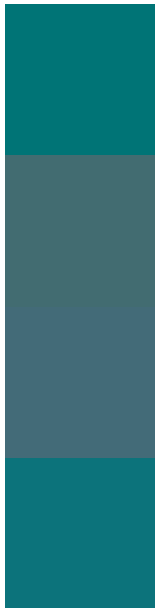
Deuteranopia

44, 12.145, 299.173



Tritanopia
44, 25.596, 210.518

Trichromacy



Original Color
44, 27.711, 198.953

Protanomaly
43, 15.124, 209.341

Deuteranomaly
43, 15.573, 228.477

Tritanomaly
44, 26.211, 207.371

Monochromacy



Original Color
44, 27.711, 198.953

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, 27.711, 198.953 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, 118)` looks like.

```
.text, #text, p{  
    color:rgb(0, 116, 118)  
}
```

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, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 116, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 27.711, 198.953 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, 118) }
```

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

```
.border{ border-color:rgb(0, 116, 118) }
```

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, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 116, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 116, 118);  
box-shadow:4px 4px 4px 4px rgb(0, 116,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 27.711, 198.953 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, 118) }
```

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

```
.background{ background-color: rgb(0, 116,  
118) }
```

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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