

Converting Colors

CIELCh(44, 30.780, 202.585)

Have a look what the booklet for
CIELCh(44, 30.780, 202.585)
contains.

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Color

CIELCh(44, 27.428, 204.170)

Conversions

Conversions Part 1

Format	Color
Hex	00747A
RGB	0, 116, 122
RGB Percent	0%, 45%, 48%
CMY	1.0000, 0.5457, 0.5221
CMYK	1.00, 0.05, 0.00, 0.52
HSL	183°, 100%, 24%
HSV	183°, 100%, 48%
XYZ	9.6924, 13.8382, 20.5266
YIQ	82.0000, -71.0620, -22.7260

Conversions

Conversions Part 2

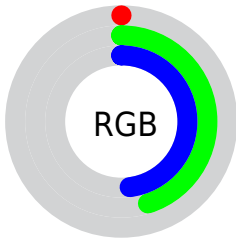
Format	Color
RYB	0, 59, 122
Decimal	29818
CIELab	44.00, -25.02, -11.23
CIElCh	44, 27.428, 204.170
Yxy	13.8382, 0.2200, 0.3141
Android (android.graphics.Color)	4278219898 (0xFF00747A)
YUV	82.0000, 19.7200, -71.9140
Hunter-Lab	37.1997, -18.5913, -6.6760

Details

The CIELCh color **44, 27.428, 204.170** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **25, 58.132, 38.997**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 27.182, 204.354**, and **25, 18.512, 209.140** is the 20% darker color. If you saturate the color by 10%, you get **44, 27.231, 204.243**, and if you desaturate by 10%, it is **44, 26.645, 203.672**.

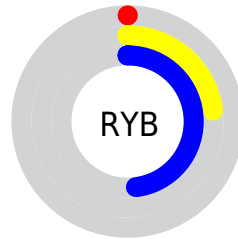
Distribution



Red (0%)

Green (45%)

Blue (48%)



Red (0%)

Yellow (23%)

Blue (48%)

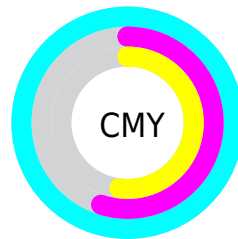


Cyan (100%)

Magenta (5%)

Yellow (0%)

Black (52%)



Cyan (100%)


Magenta (55%)

Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 27.428, 204.170 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, 27.428, 204.170 by changing the saturation by 10% instead.


 44, 27.428,
204.170


 44, 27.428,
204.170


 100, 27.428,
204.170


 34, 27.428,
204.170

 64, 27.428,
204.170


 24, 27.428,
204.170

 74, 27.428,
204.170

 14, 27.428,
204.170

 84, 27.428,
204.170

 4, 27.428, 204.170

 94, 27.428,
204.170

 0, 27.428, 204.170

 44, 27.428,

 44, 27.428,

204.170

■ 44, 27.231,
204.243

204.170

■ 44, 26.645,
203.672

■ 45, 25.713,
203.195

■ 45, 24.218,
202.872

■ 46, 22.148,
202.691

■ 46, 19.523,
202.638

■ 47, 16.386,
202.697

■ 48, 12.798,
202.856

■ 49, 8.825, 203.104

Harmonies

Complementary

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



44, 27.428, 204.170



25, 58.132, 38.997

Rectangle

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



44, 27.428, 204.170



44, 27.428, 254.170



44, 27.428, 24.170



44, 27.428, 74.170

Sweetspot

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



44, 27.231, 204.243



61, 15.794, 202.842



44, 68.613, 136.458



31, 10.578, 202.780



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



44, 27.231, 204.243



56, 32.856, 204.448



25, 43.052, 285.471



25, 2.571, 203.487



45, 27.722, 204.265



87, 46.523, 204.720

Inverse Universe

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



28, 64.470, 330.216



37, 77.822, 330.267



34, 48.494, 64.841



24, 4.768, 326.248



29, 65.634, 330.222



59, 110.263, 330.335

Previews

White Background



This preview shows how the CIELCh color 44, 27.428, 204.170 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, 27.428, 204.170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

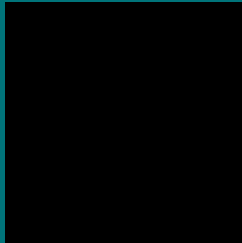
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 27.428, 204.170

Background



This preview shows how black text looks on a background with the CIELCh color 44, 27.428, 204.170.



This preview shows how white text looks on a background with the CIELCh color 44, 27.428, 204.170.

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, 27.256, 204.231

Protanopia

44, 6.599, 291.124

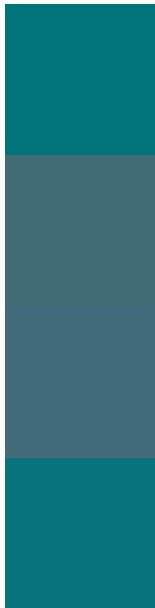
Deuteranopia

44, 13.815, 293.691



Tritanopia
44, 26.068, 210.221

Trichromacy



Original Color
44, 27.256, 204.231

Protanomaly
43, 15.417, 218.610

Deuteranomaly
43, 16.815, 235.954

Tritanomaly
44, 26.408, 208.638

Monochromacy



Original Color
44, 27.256, 204.231

Achromatopsia
35, 0.005, 296.813

Achromatomaly
37, 15.165, 202.232

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 27.428, 204.170 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, 122)` looks like.

```
.text, #text, p{  
    color:rgb(0, 116, 122)  
}
```

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, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 116, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 27.428, 204.170 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, 122) }
```

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

```
.border{ border-color:rgb(0, 116, 122) }
```

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, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 116, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 116, 122);  
box-shadow:4px 4px 4px 4px rgb(0, 116,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 27.428, 204.170 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, 122) }
```

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

```
.background{ background-color: rgb(0, 116,  
122) }
```

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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