

Converting Colors

CIELCh(42, 43.194, 197.691)

Have a look what the booklet for
CIELCh(42, 43.194, 197.691)
contains.

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Color

CIELCh(44, 27.458, 201.570)

Conversions

Conversions Part 1

Format	Color
Hex	007478
RGB	0, 116, 120
RGB Percent	0%, 45%, 47%
CMY	1.0000, 0.5452, 0.5295
CMYK	1.00, 0.03, 0.00, 0.53
HSL	182°, 100%, 24%
HSV	182°, 100%, 47%
XYZ	9.6289, 13.8382, 19.9228
YIQ	81.7720, -70.4200, -23.3480

Conversions

Conversions Part 2

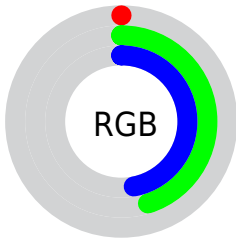
Format	Color
RYB	0, 59, 120
Decimal	29816
CIELab	44.00, -25.54, -10.09
CIELCh	44, 27.458, 201.570
Yxy	13.8382, 0.2219, 0.3189
Android (android.graphics.Color)	4278219896 (0xFF007478)
YUV	81.7720, 18.8464, -71.7140
Hunter-Lab	37.1997, -18.8962, -5.7137

Details

The CIELCh color **44, 27.458, 201.570** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **24, 57.577, 38.527**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 27.295, 201.910**, and **25, 18.567, 206.959** is the 20% darker color. If you saturate the color by 10%, you get **44, 27.453, 201.570**, and if you desaturate by 10%, it is **44, 26.823, 201.228**.

Distribution



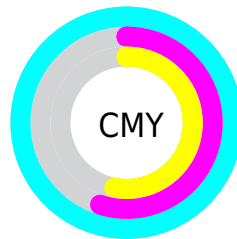
- Red (0%)
- Green (45%)
- Blue (47%)



- Red (0%)
- Yellow (23%)
- Blue (47%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (53%)




- Cyan (100%)
- Magenta (55%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 27.458, 201.570 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, 27.458, 201.570 by changing the saturation by 10% instead.


 44, 27.458,
201.570


 44, 27.458,
201.570


 100, 27.458,
201.570


 34, 27.458,
201.570

 64, 27.458,
201.570


 24, 27.458,
201.570

 74, 27.458,
201.570

 14, 27.458,
201.570

 84, 27.458,
201.570

 4, 27.458, 201.570

 94, 27.458,
201.570

 0, 27.458, 201.570

 44, 27.458,

 44, 27.458,

201.570

■ 44, 27.453,
201.570

201.570

■ 44, 26.823,
201.228

■ 45, 25.857,
200.957

■ 45, 24.333,
200.805

■ 45, 22.239,
200.765

■ 46, 19.595,
200.828

■ 47, 16.442,
200.986

■ 47, 12.838,
201.228

■ 48, 8.851, 201.546

Harmonies

Complementary

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



44, 27.458, 201.570



24, 57.577, 38.527

Rectangle

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



44, 27.458, 201.570



44, 27.458, 251.570



44, 27.458, 21.570



44, 27.458, 71.570

Sweetspot

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



44, 27.453, 201.570



61, 15.837, 201.207



43, 67.836, 136.466



31, 10.747, 201.118



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, 27.453, 201.570



56, 33.110, 201.704



24, 42.502, 285.393



25, 2.611, 201.995



46, 28.261, 201.593



88, 47.467, 201.888

Inverse Universe

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



27, 64.528, 329.550



36, 77.857, 329.584



33, 47.944, 64.906



24, 4.820, 325.800



29, 66.433, 329.556



59, 111.678, 329.630

Previews

White Background



This preview shows how the CIE LCh color 44, 27.458, 201.570 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, 27.458, 201.570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

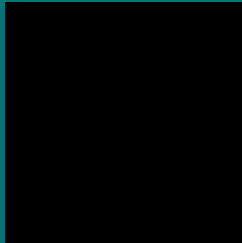
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 27.458, 201.570

Background



This preview shows how black text looks on a background with the CIELCh color 44, 27.458, 201.570.



This preview shows how white text looks on a background with the CIELCh color 44, 27.458, 201.570.

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, 27.458, 201.570

Protanopia

44, 5.401, 290.957

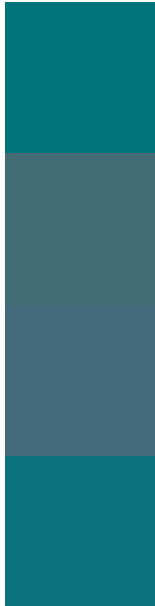
Deuteranopia

44, 13.292, 296.988



Tritanopia
44, 25.848, 210.358

Trichromacy



Original Color
44, 27.458, 201.570

Protanomaly
43, 15.224, 214.018

Deuteranomaly
43, 16.315, 234.694

Tritanomaly
44, 26.337, 207.307

Monochromacy



Original Color
44, 27.458, 201.570

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, 27.458, 201.570 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, 120)` looks like.

```
.text, #text, p{  
    color:rgb(0, 116, 120)  
}
```

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, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 116, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 27.458, 201.570 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, 120) }
```

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

```
.border{ border-color:rgb(0, 116, 120) }
```

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, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 116, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 116, 120);  
box-shadow:4px 4px 4px 4px rgb(0, 116,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 27.458, 201.570 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, 120) }
```

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

```
.background{ background-color: rgb(0, 116,  
120) }
```

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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