

Converting Colors

CIELCh(42, 45.755, 196.636)

Have a look what the booklet for
CIELCh(42, 45.755, 196.636)
contains.

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Color

CIELCh(44, 27.750, 200.226)

Conversions

Conversions Part 1

Format	Color
Hex	007477
RGB	0, 116, 119
RGB Percent	0%, 45%, 47%
CMY	1.0000, 0.5446, 0.5328
CMYK	1.00, 0.03, 0.00, 0.53
HSL	182°, 100%, 23%
HSV	182°, 100%, 47%
XYZ	9.5666, 13.8382, 19.6603
YIQ	81.6580, -70.0990, -23.6590

Conversions

Conversions Part 2

Format	Color
RYB	0, 59, 119
Decimal	29815
CIELab	44.00, -26.04, -9.59
CIELCh	44, 27.750, 200.226
Yxy	13.8382, 0.2221, 0.3213
Android (android.graphics.Color)	4278219895 (0xFF007477)
YUV	81.6580, 18.4096, -71.6141
Hunter-Lab	37.1997, -19.1952, -5.2954

Details

The CIELCh color **44, 27.750, 200.226** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **24, 57.345, 38.288**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 27.368, 200.697**, and **25, 18.645, 204.793** is the 20% darker color. If you saturate the color by 10%, you get **44, 27.598, 200.261**, and if you desaturate by 10%, it is **44, 26.945, 200.028**.

Distribution



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



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



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



- Cyan (100%)
- Magenta (54%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 27.750, 200.226 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, 27.750, 200.226 by changing the saturation by 10% instead.


 44, 27.750,
200.226


 44, 27.750,
200.226

 100, 27.750,
200.226

 34, 27.750,
200.226

 64, 27.750,
200.226


 24, 27.750,
200.226

 74, 27.750,
200.226

 14, 27.750,
200.226

 84, 27.750,
200.226

 4, 27.750, 200.226

 94, 27.750,
200.226

 0, 27.750, 200.226

 44, 27.750,

 44, 27.750,

200.226

■ 44, 27.598,
200.261

200.226

■ 44, 26.945,
200.028

■ 44, 25.958,
199.855

■ 45, 24.417,
199.785

■ 45, 22.308,
199.813

■ 46, 19.651,
199.933

■ 46, 16.485,
200.138

■ 47, 12.870,
200.420

■ 48, 8.872, 200.773

Harmonies

Complementary

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



44, 27.750, 200.226



24, 57.345, 38.288

Rectangle

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



44, 27.750, 200.226



44, 27.750, 250.226



44, 27.750, 20.226



44, 27.750, 70.226

Sweetspot

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



44, 27.598, 200.261



61, 15.967, 200.396



43, 67.861, 136.244



31, 10.836, 200.293



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, 27.598, 200.261



57, 33.460, 200.362



25, 40.926, 283.807



24, 2.540, 201.258



45, 28.137, 200.272



88, 47.617, 200.496

Inverse Universe

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



27, 64.599, 329.221



37, 78.347, 329.246



33, 47.931, 63.526



23, 4.677, 325.572



28, 65.862, 329.224



59, 111.543, 329.280

Previews

White Background



This preview shows how the CIELCh color 44, 27.750, 200.226 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, 27.750, 200.226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

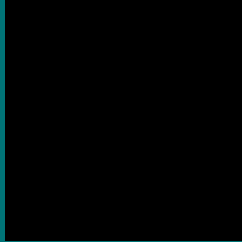
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 27.750, 200.226

Background



This preview shows how black text looks on a background with the CIELCh color 44, 27.750, 200.226.



This preview shows how white text looks on a background with the CIELCh color 44, 27.750, 200.226.

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, 27.578, 200.256

Protanopia

44, 4.824, 295.635

Deuteranopia

44, 12.739, 298.885



Tritanopia
44, 25.683, 210.462

Trichromacy



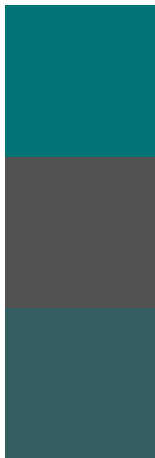
Original Color
44, 27.578, 200.256

Protanomaly
43, 15.163, 211.687

Deuteranomaly
43, 15.815, 233.306

Tritanomaly
44, 26.276, 207.338

Monochromacy



Original Color
44, 27.578, 200.256

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, 27.750, 200.226 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, 119)` looks like.

```
.text, #text, p{  
    color:rgb(0, 116, 119)  
}
```

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, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 116, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 27.750, 200.226 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, 119) }
```

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

```
.border{ border-color:rgb(0, 116, 119) }
```

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, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 116, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 116, 119);  
box-shadow:4px 4px 4px 4px rgb(0, 116,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 27.750, 200.226 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, 119) }
```

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

```
.background{ background-color: rgb(0, 116,  
119) }
```

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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