

Converting Colors

CIELCh(44, 36.441, 196.985)

Have a look what the booklet for
CIELCh(44, 36.441, 196.985)
contains.

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Color

CIELCh(45, 28.227, 198.894)

Conversions

Conversions Part 1

Format	Color
Hex	007779
RGB	0, 119, 121
RGB Percent	0%, 47%, 47%
CMY	1.0000, 0.5338, 0.5259
CMYK	1.00, 0.02, 0.00, 0.53
HSL	181°, 100%, 24%
HSV	181°, 100%, 47%
XYZ	10.0232, 14.5417, 20.3308
YIQ	83.6470, -71.5660, -24.6060

Conversions

Conversions Part 2

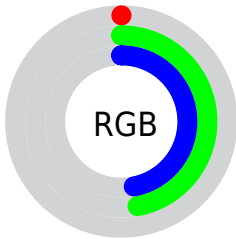
Format	Color
RYB	0, 60, 121
Decimal	30585
CIELab	45.00, -26.71, -9.14
CIELCh	45, 28.227, 198.894
Yxy	14.5417, 0.2233, 0.3239
Android (android.graphics.Color)	4278220665 (0xFF007779)
YUV	83.6470, 18.4150, -73.3584
Hunter-Lab	38.1336, -19.8162, -4.9168

Details

The CIELCh color **45, 28.227, 198.894** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **24, 58.188, 38.230**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 28.256, 198.240**, and **26, 19.313, 202.421** is the 20% darker color. If you saturate the color by 10%, you get **45, 28.208, 198.896**, and if you desaturate by 10%, it is **45, 27.532, 198.772**.

Distribution



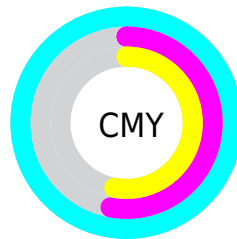
- Red (0%)
- Green (47%)
- Blue (47%)



- Red (0%)
- Yellow (24%)
- Blue (47%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (53%)



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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 28.227, 198.894 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 45, 28.227, 198.894 by changing the saturation by 10% instead.

 45, 28.227,
198.894


 45, 28.227,
198.894


 100, 28.227,
198.894

 35, 28.227,
198.894

 65, 28.227,
198.894


 25, 28.227,
198.894

 75, 28.227,
198.894

 15, 28.227,
198.894

 85, 28.227,
198.894

 5, 28.227, 198.894

 95, 28.227,
198.894

 0, 28.227, 198.894

 45, 28.227,

 45, 28.227,

198.894

198.894

■ 45, 28.208,
198.896

■ 45, 27.532,
198.772

■ 45, 26.514,
198.698

■ 46, 24.934,
198.711

■ 46, 22.778,
198.808

■ 47, 20.064,
198.987

■ 47, 16.832,
199.241

■ 48, 13.141,
199.566

■ 49, 9.058, 199.955

Harmonies

Complementary

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



45, 28.227, 198.894



24, 58.188, 38.230

Rectangle

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



45, 28.227, 198.894



45, 28.227, 248.894



45, 28.227, 18.894



45, 28.227, 68.894

Sweetspot

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



45, 28.208, 198.896



62, 16.323, 199.539



44, 68.958, 136.016



31, 10.933, 199.424



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



45, 28.208, 198.896



58, 34.258, 198.961



26, 40.100, 282.247



25, 2.655, 200.471



46, 28.883, 198.905



89, 48.563, 199.044

Inverse Universe

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



28, 65.708, 328.875



37, 79.822, 328.892



33, 48.720, 62.086



24, 4.875, 325.338



29, 67.284, 328.878



60, 113.187, 328.913

Previews

White Background



This preview shows how the CIE LCh color 45, 28.227, 198.894 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 45, 28.227, 198.894 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

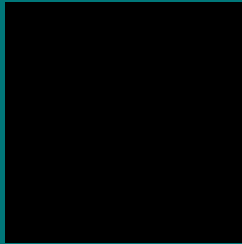
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 28.227, 198.894

Background



This preview shows how black text looks on a background with the CIELCh color 45, 28.227, 198.894.



This preview shows how white text looks on a background with the CIELCh color 45, 28.227, 198.894.

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

45, 28.227, 198.894

Protanopia

45, 4.181, 290.774

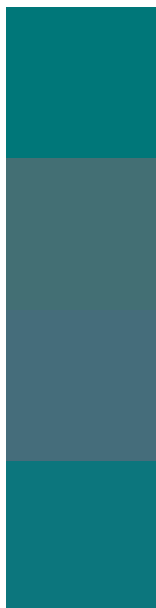
Deuteranopia

45, 12.084, 299.145



Tritanopia
45, 26.171, 208.754

Trichromacy



Original Color
45, 28.227, 198.894

Protanomaly
44, 15.696, 208.828

Deuteranomaly
44, 15.794, 230.494

Tritanomaly
45, 26.809, 205.735

Monochromacy



Original Color
45, 28.227, 198.894

Achromatopsia
36, 0.005, 296.813

Achromatomaly
38, 15.902, 197.432

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 28.227, 198.894 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, 119, 121)` looks like.

```
.text, #text, p{  
    color:rgb(0, 119, 121)  
}
```

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, 119, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 119, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 28.227, 198.894 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, 119, 121) }
```

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

```
.border{ border-color:rgb(0, 119, 121) }
```

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

Here you see how a box with a 4 pixel rgb(0, 119, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 119, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 119, 121);  
box-shadow:4px 4px 4px 4px rgb(0, 119,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 28.227, 198.894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 119, 121) }
```

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

```
.background{ background-color: rgb(0, 119,  
121) }
```

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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