

Converting Colors

CIELCh(41, 68.113, 190.479)

Have a look what the booklet for
CIELCh(41, 68.113, 190.479)
contains.

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Color

CIELCh(45, 29.438, 191.577)

Conversions

Conversions Part 1

Format	Color
Hex	007773
RGB	0, 119, 115
RGB Percent	0%, 47%, 45%
CMY	1.0000, 0.5315, 0.5472
CMYK	1.00, 0.00, 0.03, 0.53
HSL	178°, 100%, 23%
HSV	178°, 100%, 47%
XYZ	9.7541, 14.5417, 18.6543
YIQ	82.9630, -69.6400, -26.4720

Conversions

Conversions Part 2

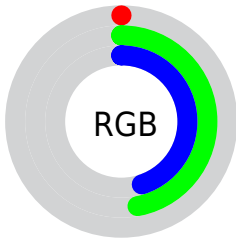
Format	Color
RYB	0, 61, 119
Decimal	30579
CIELab	45.00, -28.84, -5.91
CIELCh	45, 29.438, 191.577
Yxy	14.5417, 0.2271, 0.3386
Android (android.graphics.Color)	4278220659 (0xFF007773)
YUV	82.9630, 15.7942, -72.7586
Hunter-Lab	38.1336, -21.0757, -2.3102

Details

The CIELCh color **45, 29.438, 191.577** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **24, 56.942, 36.439**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 29.262, 191.478**, and **26, 20.375, 190.662** is the 20% darker color. If you saturate the color by 10%, you get **45, 29.344, 191.571**, and if you desaturate by 10%, it is **45, 28.512, 192.007**.

Distribution



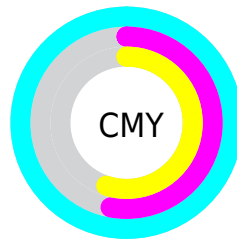
- Red (0%)
- Green (47%)
- Blue (45%)



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



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





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 29.438, 191.577 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, 29.438, 191.577 by changing the saturation by 10% instead.


 45, 29.438,
191.577


 45, 29.438,
191.577


 100, 29.438,
191.577


 35, 29.438,
191.577

 65, 29.438,
191.577


 25, 29.438,
191.577

 75, 29.438,
191.577

 15, 29.438,
191.577

 85, 29.438,
191.577

 5, 29.438, 191.577

 95, 29.438,
191.577

 0, 29.438, 191.577

 45, 29.438,

 45, 29.438,

191.577

191.577

■ 45, 29.344,
191.571

■ 45, 28.512,
192.007

■ 45, 27.346,
192.450

■ 46, 25.621,
192.900

■ 46, 23.328,
193.366

■ 46, 20.486,
193.854

■ 47, 17.138,
194.367

■ 48, 13.346,
194.909

■ 48, 9.178, 195.483

Harmonies

Complementary

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



45, 29.438, 191.577



24, 56.942, 36.439

Rectangle

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



45, 29.438, 191.577



45, 29.438, 241.577



45, 29.438, 11.577



45, 29.438, 61.577

Sweetspot

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



45, 29.344, 191.571



61, 16.523, 194.868



43, 68.047, 135.668



31, 11.223, 194.680



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, 29.344, 191.571



58, 35.560, 191.453



27, 35.993, 276.699



24, 2.615, 196.172



46, 29.862, 191.559



89, 50.707, 191.299

Inverse Universe

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



24, 56.942, 36.439



32, 70.607, 38.250



31, 49.160, 58.125



23, 2.751, 17.154



24, 58.112, 36.668



52, 101.687, 39.069

Previews

White Background



This preview shows how the CIE LCh color 45, 29.438, 191.577 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, 29.438, 191.577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

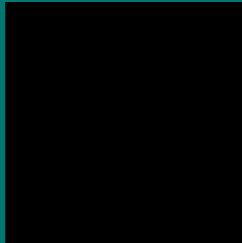
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 29.438, 191.577

Background



This preview shows how black text looks on a background with the CIELCh color 45, 29.438, 191.577.



This preview shows how white text looks on a background with the CIELCh color 45, 29.438, 191.577.

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, 29.268, 191.542

Protanopia

45, 1.024, 343.540

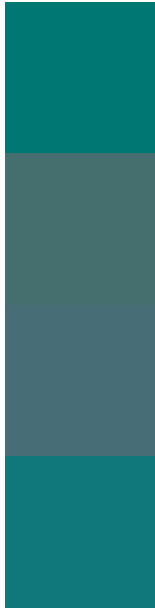
Deuteranopia

45, 10.122, 309.643



Tritanopia
45, 25.581, 209.090

Trichromacy



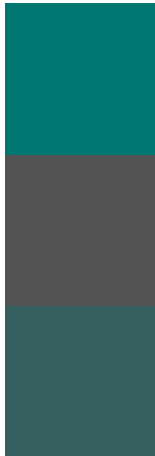
Original Color
45, 29.268, 191.542

Protanomaly
44, 15.368, 195.405

Deuteranomaly
44, 14.313, 220.364

Tritanomaly
45, 26.962, 201.736

Monochromacy



Original Color
45, 29.268, 191.542

Achromatopsia
35, 0.005, 296.813

Achromatomaly
38, 15.726, 195.163

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 29.438, 191.577 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, 115)` looks like.

```
.text, #text, p{  
    color:rgb(0, 119, 115)  
}
```

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, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 119, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 29.438, 191.577 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, 115) }
```

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

```
.border{ border-color:rgb(0, 119, 115) }
```

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, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 119, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 119, 115);  
box-shadow:4px 4px 4px 4px rgb(0, 119,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 29.438, 191.577 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, 115) }
```

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

```
.background{ background-color: rgb(0, 119,  
115) }
```

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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