

Converting Colors

CIELCh(45, 29.006, 193.870)

Have a look what the booklet for
CIELCh(45, 29.006, 193.870)
contains.

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Color

CIELCh(45, 28.876, 193.934)

Conversions

Conversions Part 1

Format	Color
Hex	017775
RGB	1, 119, 117
RGB Percent	0%, 47%, 46%
CMY	0.9974, 0.5324, 0.5403
CMYK	0.99, 0.00, 0.02, 0.53
HSL	179°, 99%, 24%
HSV	179°, 99%, 47%
XYZ	9.8561, 14.5417, 19.1861
YIQ	83.4900, -69.6860, -25.6380

Conversions

Conversions Part 2

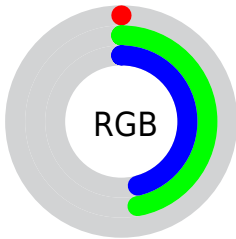
Format	Color
R_{YB}	1, 61, 119
Decimal	96117
CIE Lab	45.00, -28.03, -6.95
CIE LCh	45, 28.876, 193.934
Yxy	14.5417, 0.2261, 0.3336
Android (android.graphics.Color)	4278286197 (0xFF017775)
YUV	83.4900, 16.5204, -72.3437
Hunter-Lab	38.1336, -20.5984, -3.1370

Details

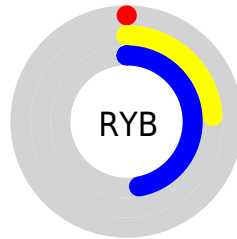
The CIELCh color **45, 28.876, 193.934** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **24, 57.063, 36.984**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 28.958, 193.682**, and **26, 19.942, 194.440** is the 20% darker color. If you saturate the color by 10%, you get **45, 28.918, 193.919**, and if you desaturate by 10%, it is **45, 28.091, 194.196**.

Distribution



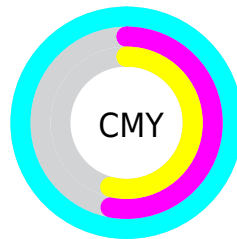
- Red (0%)
- Green (47%)
- Blue (46%)



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



- Cyan (99%)
- Magenta (0%)
- Yellow (2%)
- Black (53%)




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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 28.876, 193.934 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, 28.876, 193.934 by changing the saturation by 10% instead.


 45, 28.876,
193.934


 45, 28.876,
193.934


 100, 28.876,
193.934

 35, 28.876,
193.934

 65, 28.876,
193.934


 25, 28.876,
193.934

 75, 28.876,
193.934

 15, 28.876,
193.934

 85, 28.876,
193.934

 5, 28.876, 193.934

 95, 28.876,
193.934

 0, 28.876, 193.934

 45, 28.876,

 45, 28.876,

193.934

193.934

■ 45, 28.918,
193.919

■ 45, 28.091,
194.196

■ 45, 26.947,
194.480

■ 46, 25.245,
194.795

■ 46, 22.975,
195.147

■ 46, 20.154,
195.539

■ 47, 16.827,
195.974

■ 48, 13.052,
196.451

■ 48, 8.898, 196.970

Harmonies

Complementary

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



45, 28.876, 193.934



24, 57.063, 36.984

Rectangle

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



45, 28.876, 193.934



45, 28.876, 243.934



45, 28.876, 13.934



45, 28.876, 63.934

Sweetspot

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



45, 28.876, 193.933



61, 16.453, 196.386



43, 67.901, 135.821



31, 11.171, 196.221



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, 28.876, 193.933



58, 35.080, 193.857



27, 36.938, 278.407



24, 2.610, 197.578



46, 29.469, 193.912



89, 49.997, 193.777

Inverse Universe

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



24, 57.063, 36.984



32, 71.226, 38.922



31, 48.504, 59.495



23, 2.750, 18.492



24, 58.567, 37.325



52, 102.311, 39.522

Previews

White Background



This preview shows how the CIELCh color 45, 28.876, 193.934 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, 28.876, 193.934 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

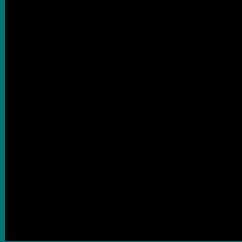
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 28.876, 193.934

Background



This preview shows how black text looks on a background with the CIELCh color 45, 28.876, 193.934.



This preview shows how white text looks on a background with the CIELCh color 45, 28.876, 193.934.

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, 28.814, 193.935

Protanopia

45, 1.846, 303.167

Deuteranopia

45, 11.155, 305.843



Tritanopia
45, 25.792, 208.968

Trichromacy



Original Color
45, 28.814, 193.935

Protanomaly
44, 15.496, 199.903

Deuteranomaly
44, 14.911, 224.530

Tritanomaly
45, 26.758, 203.106

Monochromacy



Original Color
45, 28.814, 193.935

Achromatopsia
36, 0.005, 296.813

Achromatomaly
38, 15.725, 195.182

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 28.876, 193.934 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(1, 119, 117)` looks like.

```
.text, #text, p{  
    color:rgb(1, 119, 117)  
}
```

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(1, 119, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 119, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 28.876, 193.934 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(1, 119, 117) }
```

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

```
.border{ border-color:rgb(1, 119, 117) }
```

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

Here you see how a box with a 4 pixel rgb(1, 119, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 119, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 119, 117);  
box-shadow:4px 4px 4px 4px rgb(1, 119,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 28.876, 193.934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 119, 117) }
```

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

```
.background{ background-color: rgb(1, 119,  
117) }
```

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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