

Converting Colors

CIELCh(45, 29.132, 192.598)

Have a look what the booklet for
CIELCh(45, 29.132, 192.598)
contains.

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Color

CIELCh(45, 29.067, 192.730)

Conversions

Conversions Part 1

Format	Color
Hex	017774
RGB	1, 119, 116
RGB Percent	0%, 47%, 45%
CMY	0.9966, 0.5321, 0.5439
CMYK	0.99, 0.00, 0.03, 0.53
HSL	178°, 99%, 24%
HSV	178°, 99%, 47%
XYZ	9.8151, 14.5417, 18.9060
YIQ	83.3760, -69.3650, -25.9490

Conversions

Conversions Part 2

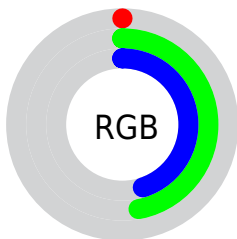
Format	Color
R_{YB}	1, 61, 119
Decimal	96116
CIE _{Lab}	45.00, -28.35, -6.41
CIE _{LCh}	45, 29.067, 192.730
Yxy	14.5417, 0.2269, 0.3361
Android (android.graphics.Color)	4278286196 (0xFF017774)
YUV	83.3760, 16.0836, -72.2438
Hunter-Lab	38.1336, -20.7903, -2.7015

Details

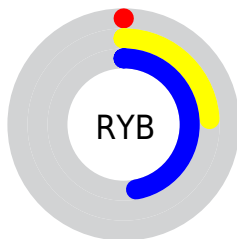
The CIELCh color **45, 29.067, 192.730** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **24, 56.796, 36.623**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 29.105, 192.575**, and **26, 20.150, 192.531** is the 20% darker color. If you saturate the color by 10%, you get **45, 29.126, 192.703**, and if you desaturate by 10%, it is **45, 28.254, 193.083**.

Distribution



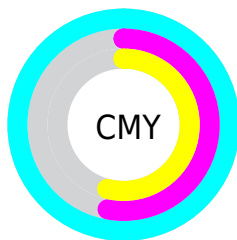
- Red (0%)
- Green (47%)
- Blue (45%)



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



- Cyan (99%)
- Magenta (0%)
- Yellow (3%)
- Black (53%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 29.067, 192.730 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, 29.067, 192.730 by changing the saturation by 10% instead.


 45, 29.067,
192.730


 45, 29.067,
192.730


 100, 29.067,
192.730


 35, 29.067,
192.730

 65, 29.067,
192.730


 25, 29.067,
192.730

 75, 29.067,
192.730

 15, 29.067,
192.730

 85, 29.067,
192.730

 5, 29.067, 192.730

 95, 29.067,
192.730

 0, 29.067, 192.730

 45, 29.067,

 45, 29.067,

192.730

192.730

■ 45, 29.126,
192.703

■ 45, 28.254,
193.083

■ 45, 27.074,
193.450

■ 46, 25.335,
193.836

■ 46, 23.028,
194.249

■ 46, 20.172,
194.692

■ 47, 16.813,
195.170

■ 48, 13.011,
195.682

■ 48, 8.836, 196.231

Harmonies

Complementary

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



45, 29.067, 192.730



24, 56.796, 36.623

Rectangle

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



45, 29.067, 192.730



45, 29.067, 242.730



45, 29.067, 12.730



45, 29.067, 62.730

Sweetspot

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



45, 29.067, 192.729



61, 16.488, 195.603



43, 67.882, 135.835



31, 11.197, 195.426



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, 29.067, 192.729



58, 35.320, 192.613



27, 36.891, 278.338



24, 2.612, 196.854



46, 29.666, 192.694



89, 50.352, 192.494

Inverse Universe

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



24, 56.796, 36.623



32, 70.906, 38.577



31, 48.439, 59.513



23, 2.750, 17.803



24, 58.332, 36.988



52, 101.986, 39.288

Previews

White Background



This preview shows how the CIE LCh color 45, 29.067, 192.730 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, 29.067, 192.730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

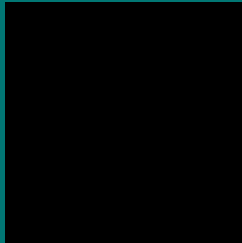
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 29.067, 192.730

Background



This preview shows how black text looks on a background with the CIELCh color 45, 29.067, 192.730.



This preview shows how white text looks on a background with the CIELCh color 45, 29.067, 192.730.

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, 29.004, 192.728

Protanopia

45, 1.271, 309.085

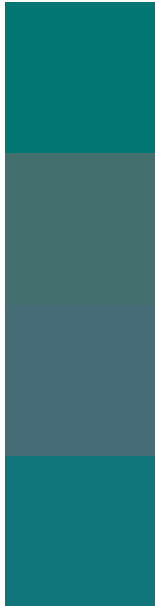
Deuteranopia

45, 10.578, 306.611



Tritanopia
45, 25.688, 209.028

Trichromacy



Original Color
45, 29.004, 192.728

Protanomaly
44, 15.574, 197.646

Deuteranomaly
44, 14.741, 222.233

Tritanomaly
45, 26.680, 203.132

Monochromacy



Original Color
45, 29.004, 192.728

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, 29.067, 192.730 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, 116)` looks like.

```
.text, #text, p{  
    color:rgb(1, 119, 116)  
}
```

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, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 119, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 29.067, 192.730 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, 116) }
```

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

```
.border{ border-color:rgb(1, 119, 116) }
```

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, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 119, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 119, 116);  
box-shadow:4px 4px 4px 4px rgb(1, 119,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 29.067, 192.730 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, 116) }
```

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

```
.background{ background-color: rgb(1, 119,  
116) }
```

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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