

Converting Colors

CIELCh(45, 28.114, 194.265)

Have a look what the booklet for
CIELCh(45, 28.114, 194.265)
contains.

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Color

CIELCh(45, 28.192, 193.945)

Conversions

Conversions Part 1

Format	Color
Hex	0B7775
RGB	11, 119, 117
RGB Percent	4%, 47%, 46%
CMY	0.9571, 0.5334, 0.5413
CMYK	0.91, 0.00, 0.02, 0.53
HSL	179°, 83%, 25%
HSV	179°, 91%, 47%
XYZ	9.9400, 14.5417, 19.1044
YIQ	86.4800, -63.7260, -23.5180

Conversions

Conversions Part 2

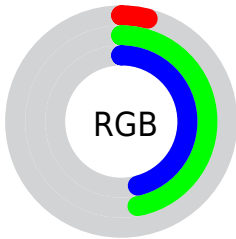
Format	Color
R_{YB}	11, 66, 119
Decimal	751477
CIE _{Lab}	45.00, -27.36, -6.79
CIE _{LCh}	45, 28.192, 193.945
Yxy	14.5417, 0.2281, 0.3336
Android (android.graphics.Color)	4278941557 (0xFF0B7775)
YUV	86.4800, 15.0464, -66.1960
Hunter-Lab	38.1336, -20.2054, -3.0099

Details

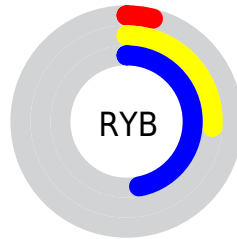
The CIELCh color **45, 28.192, 193.945** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **24, 53.375, 35.194**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 28.304, 193.659**, and **26, 19.942, 194.440** is the 20% darker color. If you saturate the color by 10%, you get **45, 28.910, 193.687**, and if you desaturate by 10%, it is **45, 27.116, 194.240**.

Distribution



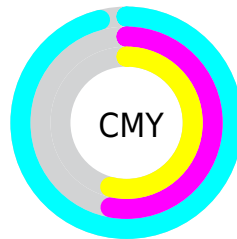
- Red (4%)
- Green (47%)
- Blue (46%)



- Red (4%)
- Yellow (26%)
- Blue (47%)



- Cyan (91%)
- Magenta (0%)
- Yellow (2%)
- Black (53%)





- Cyan (96%)
- Magenta (53%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 28.192, 193.945 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, 28.192, 193.945 by changing the saturation by 10% instead.


 45, 28.192,
193.945

 45, 28.192,
193.945


 100, 28.192,
193.945


 35, 28.192,
193.945

 65, 28.192,
193.945


 25, 28.192,
193.945

 75, 28.192,
193.945

 15, 28.192,
193.945

 85, 28.192,
193.945

 5, 28.192, 193.945

 95, 28.192,
193.945

 0, 28.192, 193.945

 45, 28.192,

 45, 28.192,

193.945

193.945

■ 45, 28.910,
193.687

■ 45, 27.116,
194.240

■ 45, 25.489,
194.564

■ 46, 23.293,
194.923

■ 46, 20.545,
195.320

■ 47, 17.284,
195.757

■ 47, 13.569,
196.235

■ 48, 9.467, 196.754

■ 49, 5.049, 197.327

Harmonies

Complementary

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



45, 28.192, 193.945



24, 53.375, 35.194

Rectangle

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



45, 28.192, 193.945



45, 28.192, 243.945



45, 28.192, 13.945



45, 28.192, 63.945

Sweetspot

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



45, 28.192, 193.944



61, 14.972, 196.392



43, 65.333, 136.352



32, 10.073, 196.256



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, 28.192, 193.944



58, 35.125, 193.619



28, 33.821, 274.802



24, 2.610, 197.440



46, 29.505, 193.679



89, 50.063, 193.531

Inverse Universe

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



24, 53.375, 35.194



32, 71.165, 38.856



33, 44.382, 60.766



23, 2.750, 18.361



24, 58.522, 37.261



52, 102.249, 39.477

Previews

White Background



This preview shows how the CIE LCh color 45, 28.192, 193.945 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, 28.192, 193.945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

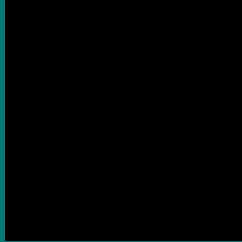
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 28.192, 193.945

Background



This preview shows how black text looks on a background with the CIELCh color 45, 28.192, 193.945.



This preview shows how white text looks on a background with the CIELCh color 45, 28.192, 193.945.

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, 28.192, 193.945

Protanopia

45, 2.539, 309.189

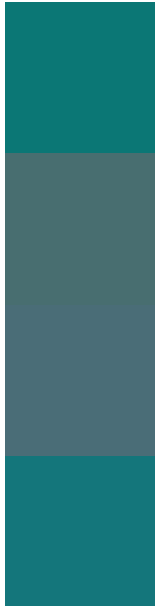
Deuteranopia

45, 10.578, 306.611



Tritanopia
45, 25.371, 210.645

Trichromacy



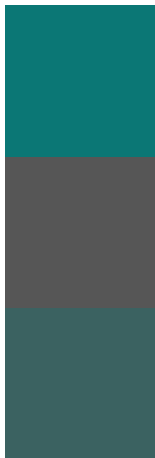
Original Color
45, 28.192, 193.945

Protanomaly
44, 13.911, 202.838

Deuteranomaly
44, 13.639, 224.431

Tritanomaly
45, 26.329, 203.253

Monochromacy



Original Color
45, 28.192, 193.945

Achromatopsia
37, 0.005, 296.813

Achromatomaly
39, 14.515, 195.163

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 28.192, 193.945 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(11, 119, 117)` looks like.

```
.text, #text, p{  
    color:rgb(11, 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(11, 119, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 119, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 28.192, 193.945 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(11, 119, 117) }
```

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

```
.border{ border-color:rgb(11, 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(11, 119, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 119, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 119, 117);  
box-shadow:4px 4px 4px 4px rgb(11, 119,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 28.192, 193.945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 119, 117) }
```

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

```
.background{ background-color: rgb(11, 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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