

Converting Colors

CIELCh(45, 27.870, 196.426)

Have a look what the booklet for
CIELCh(45, 27.870, 196.426)
contains.

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Color

CIELCh(45, 27.915, 196.448)

Conversions

Conversions Part 1

Format	Color
Hex	0A7777
RGB	10, 119, 119
RGB Percent	4%, 47%, 47%
CMY	0.9627, 0.5340, 0.5340
CMYK	0.92, 0.00, 0.00, 0.53
HSL	180°, 85%, 25%
HSV	180°, 92%, 47%
XYZ	10.0147, 14.5417, 19.6782
YIQ	86.4090, -64.9640, -23.1080

Conversions

Conversions Part 2

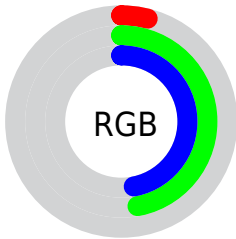
Format	Color
R_{YB}	10, 65, 119
Decimal	685943
CIE _{Lab}	45.00, -26.77, -7.90
CIE _{LCh}	45, 27.915, 196.448
Yxy	14.5417, 0.2264, 0.3287
Android (android.graphics.Color)	4278876023 (0xFF0A7777)
YUV	86.4090, 16.0674, -67.0107
Hunter-Lab	38.1336, -19.8558, -3.9021

Details

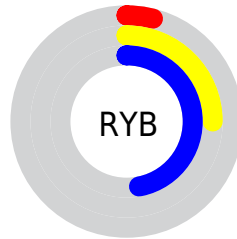
The CIELCh color **45, 27.915, 196.448** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **24, 54.291, 36.238**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 28.043, 195.956**, and **26, 19.586, 198.367** is the 20% darker color. If you saturate the color by 10%, you get **45, 28.499, 196.388**, and if you desaturate by 10%, it is **45, 26.953, 196.544**.

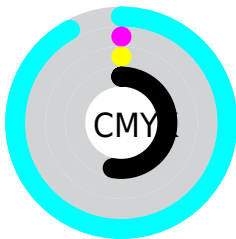
Distribution



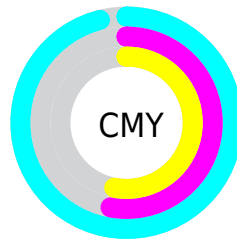
- Red (4%)
- Green (47%)
- Blue (47%)



- Red (4%)
- Yellow (25%)
- Blue (47%)



- Cyan (92%)
- Magenta (0%)
- Yellow (0%)
- Black (53%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 27.915, 196.448 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, 27.915, 196.448 by changing the saturation by 10% instead.

 45, 27.915,
196.448

 45, 27.915,
196.448

 100, 27.915,
196.448

 35, 27.915,
196.448

 65, 27.915,
196.448


 25, 27.915,
196.448


 75, 27.915,
196.448

 15, 27.915,
196.448

 85, 27.915,
196.448

 5, 27.915, 196.448

 95, 27.915,
196.448

 0, 27.915, 196.448

 45, 27.915,

 45, 27.915,

196.448

196.448

■ 45, 28.499,
196.388

■ 45, 26.953,
196.544

■ 45, 25.446,
196.697

■ 46, 23.372,
196.909

■ 46, 20.739,
197.183

■ 47, 17.584,
197.515

■ 47, 13.961,
197.905

■ 48, 9.934, 198.349

■ 49, 5.574, 198.855

Harmonies

Complementary

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



45, 27.915, 196.448



24, 54.291, 36.238

Rectangle

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



45, 27.915, 196.448



45, 27.915, 246.448



45, 27.915, 16.448



45, 27.915, 66.448

Sweetspot

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



45, 27.915, 196.447



61, 15.413, 198.045



43, 65.832, 136.529



32, 10.584, 197.893



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, 27.915, 196.447



58, 34.643, 196.388



27, 36.369, 278.986



24, 2.606, 199.026



46, 29.110, 196.388



89, 49.353, 196.388

Inverse Universe

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



28, 63.834, 328.135



37, 79.889, 328.233



33, 44.455, 63.367



23, 4.757, 324.890



28, 67.129, 328.233



59, 113.810, 328.233

Previews

White Background



This preview shows how the CIELCh color 45, 27.915, 196.448 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, 27.915, 196.448 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

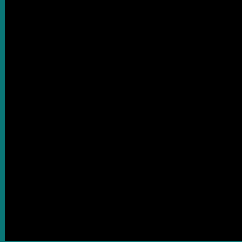
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 27.915, 196.448

Background



This preview shows how black text looks on a background with the CIELCh color 45, 27.915, 196.448.



This preview shows how white text looks on a background with the CIELCh color 45, 27.915, 196.448.

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, 27.915, 196.448

Protanopia

45, 3.690, 303.317

Deuteranopia

45, 11.647, 303.283



Tritanopia
45, 25.792, 208.968

Trichromacy



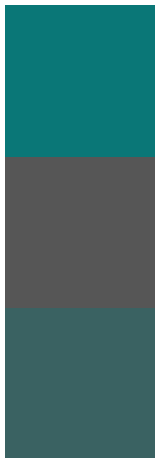
Original Color
45, 27.915, 196.448

Protanomaly
44, 13.899, 207.912

Deuteranomaly
44, 14.322, 228.568

Tritanomaly
45, 26.428, 204.558

Monochromacy



Original Color
45, 27.915, 196.448

Achromatopsia
37, 0.005, 296.813

Achromatomaly
39, 14.717, 197.590

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 27.915, 196.448 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(10, 119, 119)` looks like.

```
.text, #text, p{  
    color:rgb(10, 119, 119)  
}
```

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(10, 119, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 119, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 27.915, 196.448 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(10, 119, 119) }
```

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

```
.border{ border-color:rgb(10, 119, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 119, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 119, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 119, 119);  
box-shadow:4px 4px 4px 4px rgb(10, 119,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 27.915, 196.448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 119, 119) }
```

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

```
.background{ background-color: rgb(10, 119,  
119) }
```

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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