

Converting Colors

CIELCh(45, 27.297, 194.421)

Have a look what the booklet for
CIELCh(45, 27.297, 194.421)
contains.

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Color

CIELCh(45, 27.456, 193.955)

Conversions

Conversions Part 1

Format	Color
Hex	137775
RGB	19, 119, 117
RGB Percent	7%, 47%, 46%
CMY	0.9239, 0.5345, 0.5423
CMYK	0.84, 0.00, 0.02, 0.53
HSL	179°, 72%, 27%
HSV	179°, 84%, 47%
XYZ	10.0309, 14.5417, 19.0161
YIQ	88.8720, -58.9580, -21.8220

Conversions

Conversions Part 2

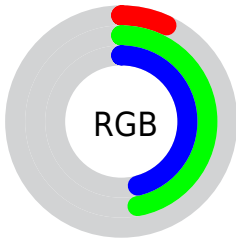
Format	Color
RYB	19, 70, 119
Decimal	1275765
CIELab	45.00, -26.65, -6.62
CIELCh	45, 27.456, 193.955
Yxy	14.5417, 0.2301, 0.3336
Android (android.graphics.Color)	4279465845 (0xFF137775)
YUV	88.8720, 13.8671, -61.2777
Hunter-Lab	38.1336, -19.7801, -2.8727

Details

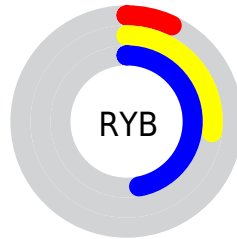
The CIELCh color **45, 27.456, 193.955** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **25, 49.452, 32.680**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 27.626, 193.631**, and **26, 19.942, 194.440** is the 20% darker color. If you saturate the color by 10%, you get **45, 28.397, 193.647**, and if you desaturate by 10%, it is **45, 25.985, 194.284**.

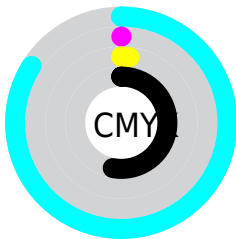
Distribution



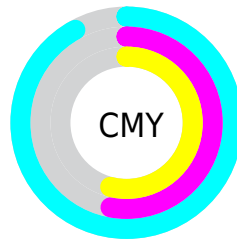
- Red (7%)
- Green (47%)
- Blue (46%)



- Red (7%)
- Yellow (27%)
- Blue (47%)



- Cyan (84%)
- Magenta (0%)
- Yellow (2%)
- Black (53%)





- Cyan (92%)
- Magenta (53%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 27.456, 193.955 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, 27.456, 193.955 by changing the saturation by 10% instead.


 45, 27.456,
193.955


 45, 27.456,
193.955


 100, 27.456,
193.955


 35, 27.456,
193.955

 65, 27.456,
193.955


 25, 27.456,
193.955

 75, 27.456,
193.955

 15, 27.456,
193.955

 85, 27.456,
193.955

 5, 27.456, 193.955

 95, 27.456,
193.955

 0, 27.456, 193.955

 45, 27.456,

 45, 27.456,

193.955

■ 45, 28.397,
193.647

■ 45, 28.897,
193.460

193.955

■ 45, 25.985,
194.284

■ 46, 23.948,
194.644

■ 46, 21.353,
195.040

■ 46, 18.234,
195.474

■ 47, 14.644,
195.947

■ 48, 10.649,
196.460

■ 49, 6.319, 197.019

■ 50, 1.725, 197.739

Harmonies

Complementary

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



45, 27.456, 193.955



25, 49.452, 32.680

Rectangle

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



45, 27.456, 193.955



45, 27.456, 243.955



45, 27.456, 13.955



45, 27.456, 63.955

Sweetspot

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



45, 27.456, 193.954



61, 13.962, 196.354



43, 62.652, 136.791



32, 9.510, 196.206



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, 27.456, 193.954



58, 35.169, 193.386



30, 31.308, 271.733



24, 2.610, 197.305



46, 29.542, 193.451



89, 50.128, 193.291

Inverse Universe

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



25, 49.452, 32.680



32, 71.105, 38.792



34, 40.957, 61.977



23, 2.750, 18.232



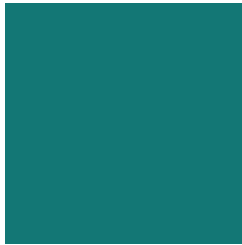
24, 58.478, 37.198



52, 102.187, 39.433

Previews

White Background



This preview shows how the CIELCh color 45, 27.456, 193.955 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, 27.456, 193.955 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

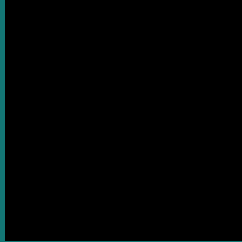
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 27.456, 193.955

Background



This preview shows how black text looks on a background with the CIELCh color 45, 27.456, 193.955.



This preview shows how white text looks on a background with the CIELCh color 45, 27.456, 193.955.

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, 27.553, 193.954

Protanopia

45, 2.539, 309.189

Deuteranopia

45, 10.578, 306.611



Tritanopia
45, 24.906, 210.951

Trichromacy



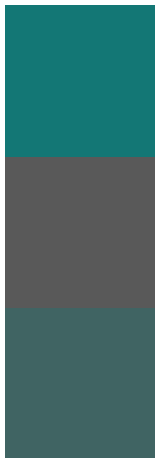
Original Color
45, 27.553, 193.954

Protanomaly
44, 12.953, 203.312

Deuteranomaly
44, 12.798, 226.380

Tritanomaly
45, 25.691, 203.480

Monochromacy



Original Color
45, 27.553, 193.954

Achromatopsia
38, 0.005, 296.813

Achromatomaly
40, 13.552, 195.145

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 27.456, 193.955 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(19, 119, 117)` looks like.

```
.text, #text, p{  
    color:rgb(19, 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(19, 119, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 119, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 27.456, 193.955 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(19, 119, 117) }
```

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

```
.border{ border-color:rgb(19, 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(19, 119, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 119, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 119, 117);  
box-shadow:4px 4px 4px 4px rgb(19, 119,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 27.456, 193.955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 119, 117) }
```

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

```
.background{ background-color: rgb(19, 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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