

Converting Colors

CIELCh(47, 27.881, 196.156)

Have a look what the booklet for
CIELCh(47, 27.881, 196.156)
contains.

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Color

CIELCh(47, 27.867, 196.535)

Conversions

Conversions Part 1

Format	Color
Hex	167C7C
RGB	22, 124, 124
RGB Percent	9%, 49%, 49%
CMY	0.9142, 0.5140, 0.5140
CMYK	0.82, 0.00, 0.00, 0.51
HSL	180°, 70%, 29%
HSV	180°, 82%, 49%
XYZ	11.1599, 16.0195, 21.5489
YIQ	93.5020, -60.7920, -21.6240

Conversions

Conversions Part 2

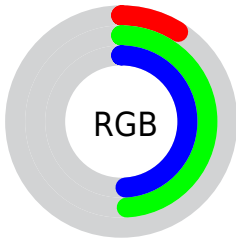
Format	Color
RYB	22, 73, 124
Decimal	1473660
CIELab	47.00, -26.71, -7.93
CIELCh	47, 27.867, 196.535
Yxy	16.0195, 0.2290, 0.3288
Android (android.graphics.Color)	4279663740 (0xFF167C7C)
YUV	93.5020, 15.0355, -62.7073
Hunter-Lab	40.0243, -20.2717, -3.9045

Details

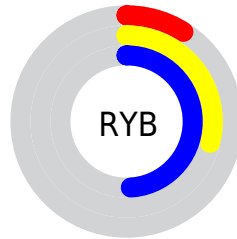
The CIELCh color **47, 27.867, 196.535** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **26, 51.064, 33.558**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 27.878, 196.016**, and **28, 20.336, 198.277** is the 20% darker color. If you saturate the color by 10%, you get **47, 28.822, 196.440**, and if you desaturate by 10%, it is **47, 26.347, 196.683**.

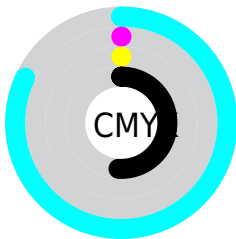
Distribution



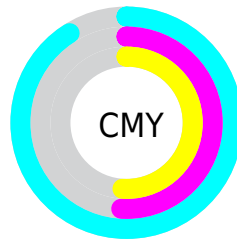
- Red (9%)
- Green (49%)
- Blue (49%)



- Red (9%)
- Yellow (29%)
- Blue (49%)



- Cyan (82%)
- Magenta (0%)
- Yellow (0%)
- Black (51%)




- Cyan (91%)
- Magenta (51%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 27.867, 196.535 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 47, 27.867, 196.535 by changing the saturation by 10% instead.

 47, 27.867,
196.535


 47, 27.867,
196.535


 100, 27.867,
196.535


 37, 27.867,
196.535

 67, 27.867,
196.535


 27, 27.867,
196.535

 77, 27.867,
196.535

 17, 27.867,
196.535

 87, 27.867,
196.535

 7, 27.867, 196.535

 97, 27.867,
196.535

 0, 27.867, 196.535

 47, 27.867,

 47, 27.867,

196.535

■ 47, 28.822,
196.440

■ 47, 29.371,
196.387

196.535

■ 47, 26.347,
196.683

■ 48, 24.238,
196.893

■ 48, 21.547,
197.164

■ 49, 18.311,
197.495

■ 49, 14.583,
197.883

■ 50, 10.433,
198.327

■ 51, 5.934, 198.832

■ 52, 1.156, 199.616

Harmonies

Complementary

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



47, 27.867, 196.535



26, 51.064, 33.558

Rectangle

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



47, 27.867, 196.535



47, 27.867, 246.535



47, 27.867, 16.535



47, 27.867, 66.535

Sweetspot

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



47, 27.867, 196.534



63, 14.277, 198.177



45, 64.532, 137.209



33, 9.718, 198.048



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47, 27.867, 196.534



60, 35.411, 196.392



30, 33.820, 275.121



25, 2.700, 199.021



47, 29.545, 196.387



90, 49.735, 196.387

Inverse Universe

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



30, 62.953, 327.989



38, 81.597, 328.224



36, 41.592, 65.073



24, 4.930, 324.894



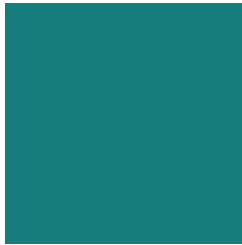
29, 68.132, 328.233



60, 114.690, 328.233

Previews

White Background



This preview shows how the CIELCh color 47, 27.867, 196.535 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 47, 27.867, 196.535 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

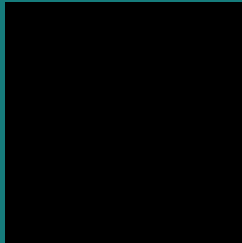
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 27.867, 196.535

Background



This preview shows how black text looks on a background with the CIELCh color 47, 27.867, 196.535.

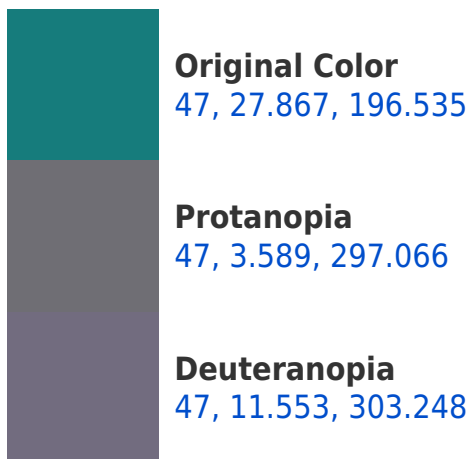


This preview shows how white text looks on a background with the CIELCh color 47, 27.867, 196.535.

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





Tritanopia
47, 25.937, 210.238

Trichromacy



Original Color
47, 27.867, 196.535

Protanomaly
46, 13.246, 208.434

Deuteranomaly
46, 13.760, 229.734

Tritanomaly
47, 26.398, 205.916

Monochromacy



Original Color
47, 27.867, 196.535

Achromatopsia
39, 0.006, 296.813

Achromatomaly
41, 13.747, 197.779

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 27.867, 196.535 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(22, 124, 124)` looks like.

```
.text, #text, p{  
    color:rgb(22, 124, 124)  
}
```

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(22, 124, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 124, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 27.867, 196.535 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(22, 124, 124) }
```

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

```
.border{ border-color:rgb(22, 124, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 124, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 124, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 124, 124);  
box-shadow:4px 4px 4px 4px rgb(22, 124,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 27.867, 196.535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 124, 124) }
```

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

```
.background{ background-color: rgb(22, 124,  
124) }
```

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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