

Converting Colors

CIELCh(47, 28.094, 209.174)

Have a look what the booklet for
CIELCh(47, 28.094, 209.174)
contains.

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Color

CIELCh(47, 27.995, 210.337)

Conversions

Conversions Part 1

Format	Color
Hex	047B86
RGB	4, 123, 134
RGB Percent	2%, 48%, 53%
CMY	0.9834, 0.5161, 0.4730
CMYK	0.97, 0.08, 0.00, 0.47
HSL	185°, 94%, 27%
HSV	185°, 97%, 53%
XYZ	11.5127, 16.0195, 25.1795
YIQ	88.6730, -74.4550, -21.8070

Conversions

Conversions Part 2

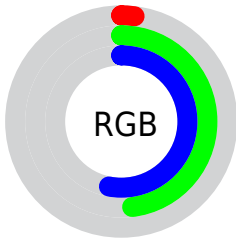
Format	Color
RYB	4, 66, 134
Decimal	293766
CIELab	47.00, -24.16, -14.14
CIElCh	47, 27.995, 210.337
Yxy	16.0195, 0.2184, 0.3039
Android (android.graphics.Color)	4278483846 (0xFF047B86)
YUV	88.6730, 22.3462, -74.2582
Hunter-Lab	40.0243, -18.6985, -9.2826

Details

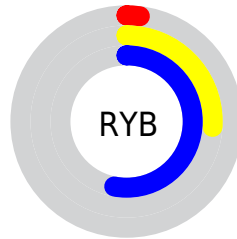
The CIELCh color **47, 27.995, 210.337** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **28, 61.196, 39.686**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **67, 28.060, 209.937**, and **28, 19.765, 216.173** is the 20% darker color. If you saturate the color by 10%, you get **47, 28.149, 210.706**, and if you desaturate by 10%, it is **47, 27.428, 209.180**.

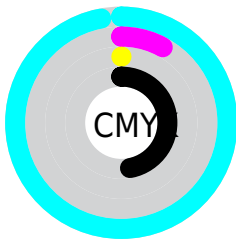
Distribution



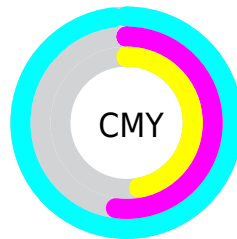
- Red (2%)
- Green (48%)
- Blue (53%)



- Red (2%)
- Yellow (26%)
- Blue (53%)



- Cyan (97%)
- Magenta (8%)
- Yellow (0%)
- Black (47%)




- Cyan (98%)
- Magenta (52%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 27.995, 210.337 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, 27.995, 210.337 by changing the saturation by 10% instead.


 47, 27.995,
210.337


 47, 27.995,
210.337


 100, 27.995,
210.337


 37, 27.995,
210.337

 67, 27.995,
210.337


 27, 27.995,
210.337

 77, 27.995,
210.337

 17, 27.995,
210.337

 87, 27.995,
210.337

 7, 27.995, 210.337

 97, 27.995,
210.337

 0, 27.995, 210.337

 47, 27.995,

 47, 27.995,

210.337

■ 47, 28.149,
210.706

210.337

■ 47, 27.428,
209.180

■ 48, 26.343,
208.256

■ 49, 24.646,
207.571

■ 50, 22.335,
207.097

■ 50, 19.441,
206.806

■ 51, 16.019,
206.670

■ 53, 12.137,
206.666

■ 54, 7.868, 206.778

Harmonies

Complementary

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



47, 27.995, 210.337



28, 61.196, 39.686

Rectangle

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



47, 27.995, 210.337



47, 27.995, 260.337



47, 27.995, 30.337



47, 27.995, 80.337

Sweetspot

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



47, 27.994, 210.336



67, 16.167, 206.655



49, 71.799, 137.191



35, 11.020, 206.655



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



47, 27.994, 210.336



60, 34.238, 211.071



26, 49.491, 288.953



27, 2.659, 206.953



45, 27.497, 210.656



1, 0.652, 207.083

Inverse Universe

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



31, 66.722, 331.684



41, 81.896, 331.896



39, 50.229, 69.434



26, 4.976, 327.285



30, 65.751, 331.795



0, 1.185, 326.805

Previews

White Background



This preview shows how the CIE LCh color 47, 27.995, 210.337 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, 27.995, 210.337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

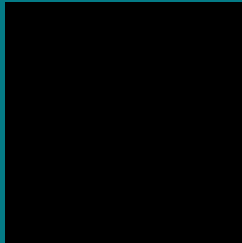
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 27.995, 210.337

Background



This preview shows how black text looks on a background with the CIELCh color 47, 27.995, 210.337.

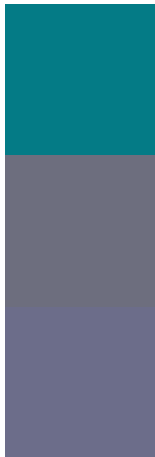


This preview shows how white text looks on a background with the CIELCh color 47, 27.995, 210.337.

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

47, 27.942, 210.369

Protanopia

47, 9.486, 289.151

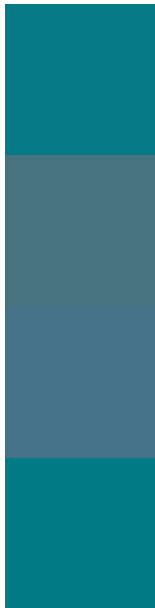
Deuteranopia

47, 17.191, 291.268



Tritanopia
47, 28.155, 210.244

Trichromacy



Original Color
47, 27.942, 210.369

Protanomaly
46, 16.752, 228.063

Deuteranomaly
46, 19.296, 243.849

Tritanomaly
47, 28.048, 210.306

Monochromacy



Original Color
47, 27.942, 210.369

Achromatopsia
38, 0.005, 296.813

Achromatomaly
40, 15.687, 206.612

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 27.995, 210.337 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(4, 123, 134)` looks like.

```
.text, #text, p{  
    color:rgb(4, 123, 134)  
}
```

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(4, 123, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 123, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 27.995, 210.337 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(4, 123, 134) }
```

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

```
.border{ border-color:rgb(4, 123, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 123, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 123, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 123, 134);  
box-shadow:4px 4px 4px 4px rgb(4, 123,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 27.995, 210.337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 123, 134) }
```

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

```
.background{ background-color: rgb(4, 123,  
134) }
```

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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