

Converting Colors

CIELCh(44, 48.171, 196.874)

Have a look what the booklet for
CIELCh(44, 48.171, 196.874)
contains.

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Color

CIELCh(47, 28.780, 200.055)

Conversions

Conversions Part 1

Format	Color
Hex	047C7F
RGB	4, 124, 127
RGB Percent	2%, 49%, 50%
CMY	0.9860, 0.5130, 0.5013
CMYK	0.97, 0.02, 0.00, 0.50
HSL	181°, 95%, 26%
HSV	181°, 97%, 50%
XYZ	11.1162, 16.0195, 22.6420
YIQ	88.4620, -72.4830, -24.5070

Conversions

Conversions Part 2

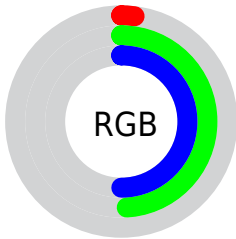
Format	Color
RYB	4, 65, 127
Decimal	294015
CIELab	47.00, -27.03, -9.87
CIELCh	47, 28.780, 200.055
Yxy	16.0195, 0.2233, 0.3218
Android (android.graphics.Color)	4278484095 (0xFF047C7F)
YUV	88.4620, 18.9992, -74.0732
Hunter-Lab	40.0243, -20.4668, -5.5237

Details

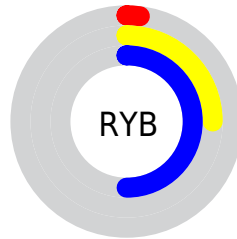
The CIELCh color **47, 28.780, 200.055** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **26, 59.404, 38.244**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **67, 28.584, 200.502**, and **28, 19.955, 204.109** is the 20% darker color. If you saturate the color by 10%, you get **47, 28.957, 200.118**, and if you desaturate by 10%, it is **47, 28.091, 199.829**.

Distribution



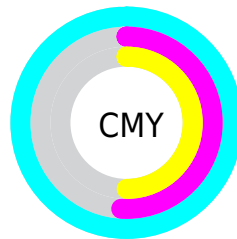
- Red (2%)
- Green (49%)
- Blue (50%)



- Red (2%)
- Yellow (25%)
- Blue (50%)



- Cyan (97%)
- Magenta (2%)
- Yellow (0%)
- Black (50%)



- Cyan (99%)
- Magenta (51%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 28.780, 200.055 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, 28.780, 200.055 by changing the saturation by 10% instead.


 47, 28.780,
200.055

 47, 28.780,
200.055


 100, 28.780,
200.055


 37, 28.780,
200.055

 67, 28.780,
200.055


 27, 28.780,
200.055

 77, 28.780,
200.055

 17, 28.780,
200.055

 87, 28.780,
200.055

 7, 28.780, 200.055

 97, 28.780,
200.055

 0, 28.780, 200.055

 47, 28.780,

 47, 28.780,

200.055

■ 47, 28.957,
200.118

200.055

■ 47, 28.091,
199.829

■ 48, 26.918,
199.691

■ 48, 25.149,
199.653

■ 48, 22.779,
199.713

■ 49, 19.835,
199.863

■ 50, 16.365,
200.095

■ 51, 12.435,
200.403

■ 51, 8.117, 200.782

Harmonies

Complementary

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



47, 28.780, 200.055



26, 59.404, 38.244

Rectangle

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



47, 28.780, 200.055



47, 28.780, 250.055



47, 28.780, 20.055



47, 28.780, 70.055

Sweetspot

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



47, 28.780, 200.054



64, 16.326, 200.319



46, 70.370, 136.391



33, 11.135, 200.206



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



47, 28.780, 200.054



60, 35.104, 200.210



27, 41.919, 283.067



26, 2.726, 201.154



47, 29.011, 200.119



0, 0.000, 0.000

Inverse Universe

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



30, 67.125, 329.133



39, 82.154, 329.208



35, 48.949, 63.670



25, 5.019, 325.551



29, 67.873, 329.185



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 47, 28.780, 200.055 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, 28.780, 200.055 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

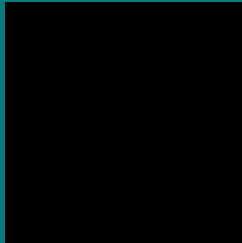
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 28.780, 200.055

Background



This preview shows how black text looks on a background with the CIELCh color 47, 28.780, 200.055.



This preview shows how white text looks on a background with the CIELCh color 47, 28.780, 200.055.

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, 28.723, 200.078

Protanopia

47, 4.768, 295.604

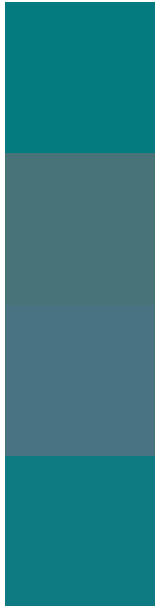
Deuteranopia

47, 13.769, 298.326



Tritanopia
47, 26.962, 209.628

Trichromacy



Original Color
47, 28.723, 200.078

Protanomaly
46, 15.436, 211.313

Deuteranomaly
46, 16.514, 233.659

Tritanomaly
47, 27.505, 206.729

Monochromacy



Original Color
47, 28.723, 200.078

Achromatopsia
37, 0.005, 296.813

Achromatomaly
40, 15.813, 199.743

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 28.780, 200.055 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, 124, 127)` looks like.

```
.text, #text, p{  
    color:rgb(4, 124, 127)  
}
```

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, 124, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 124, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 28.780, 200.055 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, 124, 127) }
```

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

```
.border{ border-color:rgb(4, 124, 127) }
```

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

Here you see how a box with a 4 pixel rgb(4, 124, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 124, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 124, 127);  
box-shadow:4px 4px 4px 4px rgb(4, 124,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 28.780, 200.055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 124, 127) }
```

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

```
.background{ background-color: rgb(4, 124,  
127) }
```

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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