

Converting Colors

CIELCh(47, 28.413, 209.654)

Have a look what the booklet for
CIELCh(47, 28.413, 209.654)
contains.

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Color

CIELCh(47, 28.356, 208.856)

Conversions

Conversions Part 1

Format	Color
Hex	007C86
RGB	0, 124, 134
RGB Percent	0%, 49%, 53%
CMY	1.0000, 0.5153, 0.4761
CMYK	1.00, 0.07, 0.00, 0.48
HSL	184°, 100%, 26%
HSV	184°, 100%, 52%
XYZ	11.4189, 16.0195, 24.9005
YIQ	88.0640, -77.1140, -23.1780

Conversions

Conversions Part 2

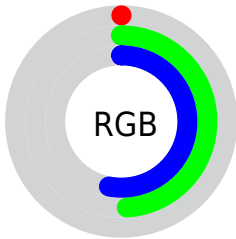
Format	Color
RYB	0, 64, 134
Decimal	31878
CIELab	47.00, -24.84, -13.68
CIELCh	47, 28.356, 208.856
Yxy	16.0195, 0.2182, 0.3061
Android (android.graphics.Color)	4278221958 (0xFF007C86)
YUV	88.0640, 22.6464, -77.2321
Hunter-Lab	40.0243, -19.1168, -8.8694

Details

The CIELCh color **47, 28.356, 208.856** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **27, 62.508, 40.097**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **67, 28.281, 208.643**, and **29, 19.920, 213.948** is the 20% darker color. If you saturate the color by 10%, you get **47, 28.291, 208.889**, and if you desaturate by 10%, it is **47, 27.779, 207.876**.

Distribution



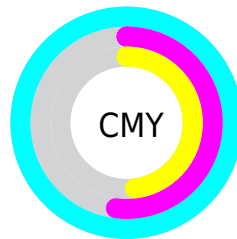
- Red (0%)
- Green (49%)
- Blue (53%)



- Red (0%)
- Yellow (25%)
- Blue (53%)



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (48%)



- Cyan (100%)
- Magenta (52%)
- Yellow (48%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 28.356, 208.856 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, 28.356, 208.856 by changing the saturation by 10% instead.

 47, 28.356,
208.856

 47, 28.356,
208.856

 100, 28.356,
208.856

 37, 28.356,
208.856

 67, 28.356,
208.856


 27, 28.356,
208.856

 77, 28.356,
208.856

 17, 28.356,
208.856

 87, 28.356,
208.856

 7, 28.356, 208.856

 97, 28.356,
208.856

 0, 28.356, 208.856

 47, 28.356,

 47, 28.356,

208.856

■ 47, 28.291,
208.889

208.856

■ 47, 27.779,
207.876

■ 48, 26.869,
207.020

■ 49, 25.356,
206.384

■ 49, 23.224,
205.946

■ 50, 20.496,
205.683

■ 51, 17.219,
205.569

■ 52, 13.458,
205.583

■ 53, 9.285, 205.708

Harmonies

Complementary

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



47, 28.356, 208.856



27, 62.508, 40.097

Rectangle

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



47, 28.356, 208.856



47, 28.356, 258.856



47, 28.356, 28.856



47, 28.356, 78.856

Sweetspot

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



47, 28.291, 208.889



66, 16.610, 205.578



48, 72.706, 136.805



34, 11.126, 205.563



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



47, 28.291, 208.889



60, 34.187, 209.197



26, 49.455, 288.741



27, 2.683, 205.975



46, 27.750, 208.853



1, 0.658, 206.141

Inverse Universe

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



31, 67.534, 331.362



40, 81.637, 331.437



38, 51.445, 67.382



26, 5.009, 326.996



30, 66.239, 331.353



0, 1.193, 326.520

Previews

White Background



This preview shows how the CIELCh color 47, 28.356, 208.856 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, 28.356, 208.856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

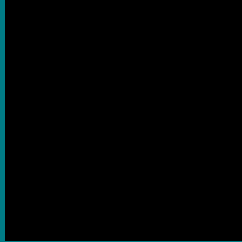
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 28.356, 208.856

Background



This preview shows how black text looks on a background with the CIELCh color 47, 28.356, 208.856.

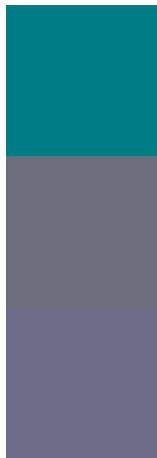


This preview shows how white text looks on a background with the CIELCh color 47, 28.356, 208.856.

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, 28.356, 208.856

Protanopia

47, 8.894, 288.909

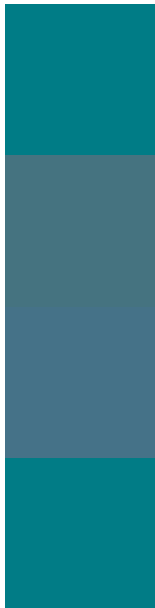
Deuteranopia

47, 16.602, 292.404



Tritanopia
47, 28.250, 208.912

Trichromacy



Original Color
47, 28.356, 208.856

Protanomaly
46, 17.046, 225.138

Deuteranomaly
46, 19.148, 241.744

Tritanomaly
47, 28.303, 208.884

Monochromacy



Original Color
47, 28.356, 208.856

Achromatopsia
37, 0.005, 296.813

Achromatomaly
40, 15.963, 206.429

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 28.356, 208.856 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(0, 124, 134)` looks like.

```
.text, #text, p{  
    color:rgb(0, 124, 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(0, 124, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 124, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 28.356, 208.856 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(0, 124, 134) }
```

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

```
.border{ border-color:rgb(0, 124, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 124, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 124, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 124, 134);  
box-shadow:4px 4px 4px 4px rgb(0, 124,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 28.356, 208.856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 124, 134) }
```

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

```
.background{ background-color: rgb(0, 124,  
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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