

Converting Colors

CIELCh(47, 29.006, 227.678)

Have a look what the booklet for
CIELCh(47, 29.006, 227.678)
contains.

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Color

CIELCh(47, 28.880, 228.361)

Conversions

Conversions Part 1

Format	Color
Hex	007A93
RGB	0, 122, 147
RGB Percent	0%, 48%, 58%
CMY	1.0000, 0.5216, 0.4236
CMYK	1.00, 0.17, 0.00, 0.42
HSL	190°, 100%, 29%
HSV	190°, 100%, 58%
XYZ	12.2209, 16.0195, 30.0430
YIQ	88.3720, -80.7370, -18.0890

Conversions

Conversions Part 2

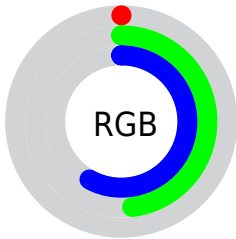
Format	Color
RYB	0, 67, 147
Decimal	31379
CIELab	47.00, -19.19, -21.58
CIELCh	47, 28.880, 228.361
Yxy	16.0195, 0.2097, 0.2749
Android (android.graphics.Color)	4278221459 (0xFF007A93)
YUV	88.3720, 28.9036, -77.5022
Hunter-Lab	40.0243, -15.5397, -16.4872

Details

The CIELCh color **47, 28.880, 228.361** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **32, 65.889, 42.745**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **67, 28.822, 227.835**, and **28, 21.840, 240.956** is the 20% darker color. If you saturate the color by 10%, you get **47, 28.877, 228.363**, and if you desaturate by 10%, it is **48, 28.231, 225.511**.

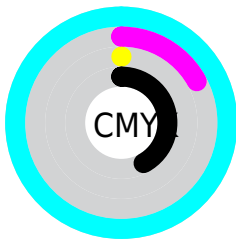
Distribution



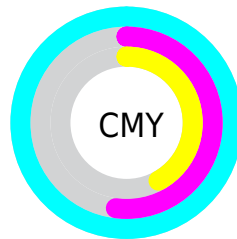
- Red (0%)
- Green (48%)
- Blue (58%)



- Red (0%)
- Yellow (26%)
- Blue (58%)



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (42%)




- Cyan (100%)
- Magenta (52%)
- Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 28.880, 228.361 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, 28.880, 228.361 by changing the saturation by 10% instead.


 47, 28.880,
228.361


 47, 28.880,
228.361


 100, 28.880,
228.361


 37, 28.880,
228.361

 67, 28.880,
228.361


 27, 28.880,
228.361

 77, 28.880,
228.361

 17, 28.880,
228.361

 87, 28.880,
228.361

 7, 28.880, 228.361

 97, 28.880,
228.361

 0, 28.880, 228.361

 47, 28.880,

 47, 28.880,

228.361

■ 47, 28.877,
228.363

228.361

■ 48, 28.231,
225.511

■ 49, 27.211,
223.045

■ 50, 25.616,
221.081

■ 51, 23.419,
219.552

■ 53, 20.636,
218.391

■ 54, 17.315,
217.534

■ 56, 13.519,
216.924

■ 57, 9.320, 216.518

Harmonies

Complementary

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



47, 28.880, 228.361



32, 65.889, 42.745

Rectangle

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



47, 28.880, 228.361



47, 28.880, 278.361



47, 28.880, 48.361



47, 28.880, 98.361

Sweetspot

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



47, 28.877, 228.363



71, 16.718, 216.955



53, 75.381, 138.188



37, 11.328, 217.168



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



47, 28.877, 228.363



60, 35.081, 229.114



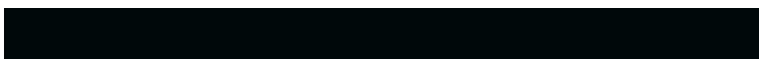
25, 63.645, 295.924



30, 2.726, 216.290



44, 27.537, 228.151



2, 2.440, 216.081

Inverse Universe

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



33, 67.278, 336.216



44, 81.495, 336.413



46, 54.758, 76.203



29, 5.134, 330.019



31, 64.205, 336.161



1, 4.462, 329.502

Previews

White Background



This preview shows how the CIELCh color 47, 28.880, 228.361 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, 28.880, 228.361 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

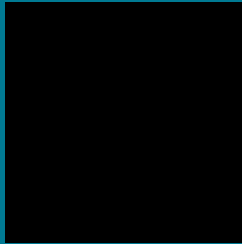
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 28.880, 228.361

Background



This preview shows how black text looks on a background with the CIELCh color 47, 28.880, 228.361.

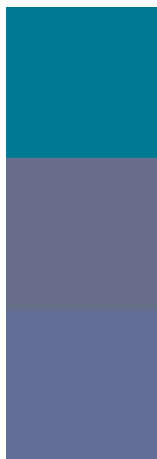


This preview shows how white text looks on a background with the CIELCh color 47, 28.880, 228.361.

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, 28.880, 228.361

Protanopia

47, 16.673, 284.931

Deuteranopia

47, 23.807, 285.097



Tritanopia
47, 28.404, 207.575

Trichromacy



Original Color
47, 28.880, 228.361

Protanomaly
46, 21.428, 247.330

Deuteranomaly
46, 24.920, 255.707

Tritanomaly
47, 28.146, 215.438

Monochromacy



Original Color
47, 28.880, 228.361

Achromatopsia
37, 0.005, 296.813

Achromatomaly
40, 15.932, 218.084

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 28.880, 228.361 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, 122, 147)` looks like.

```
.text, #text, p{  
    color:rgb(0, 122, 147)  
}
```

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, 122, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 122, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 28.880, 228.361 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, 122, 147) }
```

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

```
.border{ border-color:rgb(0, 122, 147) }
```

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

Here you see how a box with a 4 pixel rgb(0, 122, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 122, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 122, 147);  
box-shadow:4px 4px 4px 4px rgb(0, 122,  
147) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 28.880, 228.361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 122, 147) }
```

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

```
.background{ background-color: rgb(0, 122,  
147) }
```

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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