

Converting Colors

CIELCh(47, 33.138, 181.297)

Have a look what the booklet for
CIELCh(47, 33.138, 181.297)
contains.

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Color

CIELCh(47, 32.930, 181.312)

Conversions

Conversions Part 1

Format	Color
Hex	007E70
RGB	0, 126, 112
RGB Percent	0%, 49%, 44%
CMY	1.0000, 0.5068, 0.5617
CMYK	1.00, 0.00, 0.11, 0.51
HSL	173°, 100%, 25%
HSV	173°, 100%, 49%
XYZ	10.3325, 16.0195, 17.8082
YIQ	86.7300, -70.6020, -31.0660

Conversions

Conversions Part 2

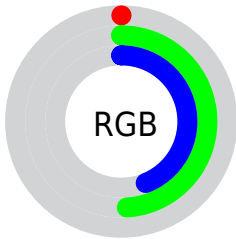
Format	Color
RYB	0, 67, 126
Decimal	32368
CIELab	47.00, -32.92, -0.75
CIELCh	47, 32.930, 181.312
Yxy	16.0195, 0.2340, 0.3628
Android (android.graphics.Color)	4278222448 (0xFF007E70)
YUV	86.7300, 12.4581, -76.0622
Hunter-Lab	40.0243, -23.9618, 1.6368

Details

The CIELCh color **47, 32.930, 181.312** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **25, 57.218, 33.498**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **67, 32.646, 181.948**, and **28, 24.128, 176.982** is the 20% darker color. If you saturate the color by 10%, you get **47, 32.889, 181.297**, and if you desaturate by 10%, it is **47, 31.731, 182.422**.

Distribution



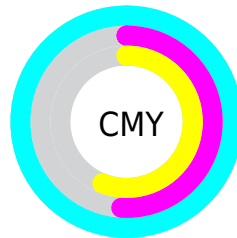
- Red (0%)
- Green (49%)
- Blue (44%)



- Red (0%)
- Yellow (26%)
- Blue (49%)



- Cyan (100%)
- Magenta (0%)
- Yellow (11%)
- Black (51%)





- Cyan (100%)
- Magenta (51%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 32.930, 181.312 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, 32.930, 181.312 by changing the saturation by 10% instead.


 47, 32.930,
181.312


 47, 32.930,
181.312


 100, 32.930,
181.312


 37, 32.930,
181.312

 67, 32.930,
181.312


 27, 32.930,
181.312

 77, 32.930,
181.312

 17, 32.930,
181.312

 87, 32.930,
181.312

 7, 32.930, 181.312

 97, 32.930,
181.312

 0, 32.930, 181.312

 47, 32.930,

 47, 32.930,

181.312

181.312

■ 47, 32.889,
181.297

■ 47, 31.731,
182.422

■ 47, 30.212,
183.506

■ 48, 28.115,
184.503

■ 48, 25.437,
185.431

■ 49, 22.204,
186.307

■ 49, 18.470,
187.144

■ 50, 14.306,
187.955

■ 51, 9.789, 188.751

Harmonies

Complementary

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



47, 32.930, 181.312



25, 57.218, 33.498

Rectangle

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



47, 32.930, 181.312



47, 32.930, 231.312



47, 32.930, 1.312



47, 32.930, 51.312

Sweetspot

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



47, 32.889, 181.297



64, 17.669, 187.898



46, 70.175, 135.217



32, 11.868, 187.621



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, 32.889, 181.297



60, 39.881, 180.979



32, 32.945, 268.150



26, 2.851, 189.631



48, 33.222, 181.278



0, 0.000, 0.000

Inverse Universe

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



25, 57.218, 33.498



34, 70.170, 34.795



31, 52.726, 53.184



25, 2.979, 10.898



26, 57.850, 33.596



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 47, 32.930, 181.312 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, 32.930, 181.312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

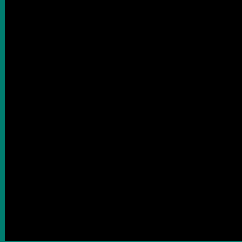
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 32.930, 181.312

Background



This preview shows how black text looks on a background with the CIELCh color 47, 32.930, 181.312.

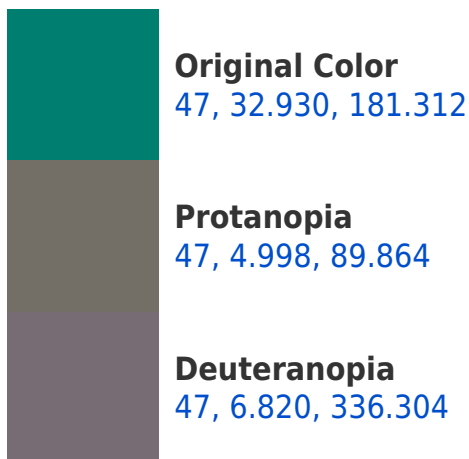


This preview shows how white text looks on a background with the CIELCh color 47, 32.930, 181.312.

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, 25.561, 210.471

Trichromacy



Original Color
47, 32.930, 181.312

Protanomaly
46, 17.399, 177.360

Deuteranomaly
45, 13.992, 197.855

Tritanomaly
47, 27.819, 197.784

Monochromacy



Original Color
47, 32.930, 181.312

Achromatopsia
37, 0.005, 296.813

Achromatomaly
40, 17.250, 187.009

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 32.930, 181.312 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, 126, 112)` looks like.

```
.text, #text, p{  
    color:rgb(0, 126, 112)  
}
```

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, 126, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 126, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 32.930, 181.312 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, 126, 112) }
```

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

```
.border{ border-color:rgb(0, 126, 112) }
```

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

Here you see how a box with a 4 pixel rgb(0, 126, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 126, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 126, 112);  
box-shadow:4px 4px 4px 4px rgb(0, 126,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 32.930, 181.312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 126, 112) }
```

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

```
.background{ background-color: rgb(0, 126,  
112) }
```

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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