

Converting Colors

CIELCh(46, 28.794, 197.570)

Have a look what the booklet for
CIELCh(46, 28.794, 197.570)
contains.

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Color

CIELCh(46, 28.827, 197.614)

Conversions

Conversions Part 1

Format	Color
Hex	007A7B
RGB	0, 122, 123
RGB Percent	0%, 48%, 48%
CMY	0.9995, 0.5227, 0.5188
CMYK	1.00, 0.01, 0.00, 0.52
HSL	180°, 100%, 24%
HSV	180°, 100%, 48%
XYZ	10.4807, 15.2687, 21.0361
YIQ	85.6360, -73.0330, -25.5530

Conversions

Conversions Part 2

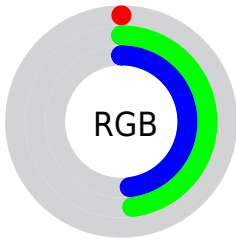
Format	Color
RYB	0, 61, 123
Decimal	31355
CIELab	46.00, -27.48, -8.72
CIELCh	46, 28.827, 197.614
Yxy	15.2687, 0.2240, 0.3264
Android (android.graphics.Color)	4278221435 (0xFF007A7B)
YUV	85.6360, 18.4205, -75.1028
Hunter-Lab	39.0751, -20.5044, -4.5662

Details

The CIELCh color **46, 28.827, 197.614** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **24, 59.001, 38.164**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 29.049, 197.059**, and **27, 20.150, 198.298** is the 20% darker color. If you saturate the color by 10%, you get **46, 28.834, 197.613**, and if you desaturate by 10%, it is **46, 28.126, 197.589**.

Distribution



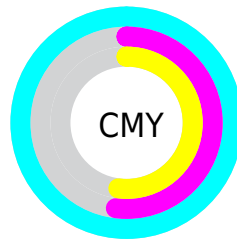
- Red (0%)
- Green (48%)
- Blue (48%)



- Red (0%)
- Yellow (24%)
- Blue (48%)



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (52%)



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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 28.827, 197.614 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 46, 28.827, 197.614 by changing the saturation by 10% instead.

 46, 28.827,
197.614


 46, 28.827,
197.614


 100, 28.827,
197.614

 36, 28.827,
197.614

 66, 28.827,
197.614

 26, 28.827,
197.614

 76, 28.827,
197.614

 16, 28.827,
197.614

 86, 28.827,
197.614

 6, 28.827, 197.614

 96, 28.827,
197.614

 0, 28.827, 197.614

 46, 28.827,

 46, 28.827,

197.614

197.614

■ 46, 28.834,
197.613

■ 46, 28.126,
197.589

■ 46, 27.069,
197.608

■ 47, 25.443,
197.699

■ 47, 23.231,
197.862

■ 47, 20.452,
198.096

■ 48, 17.146,
198.398

■ 49, 13.372,
198.762

■ 50, 9.200, 199.187

Harmonies

Complementary

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



46, 28.827, 197.614



24, 59.001, 38.164

Rectangle

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



46, 28.827, 197.614



46, 28.827, 247.614



46, 28.827, 17.614



46, 28.827, 67.614

Sweetspot

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



46, 28.827, 197.613



63, 16.680, 198.729



44, 69.667, 136.023



32, 11.317, 198.597



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



46, 28.827, 197.613



59, 35.066, 197.644



26, 40.545, 282.283



25, 2.677, 199.732



47, 29.212, 197.615



90, 49.145, 197.682

Inverse Universe

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



28, 66.809, 328.546



38, 81.290, 328.556



33, 49.210, 62.041



24, 4.903, 325.112



29, 67.712, 328.549



60, 113.945, 328.566

Previews

White Background



This preview shows how the CIELCh color 46, 28.827, 197.614 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 46, 28.827, 197.614 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

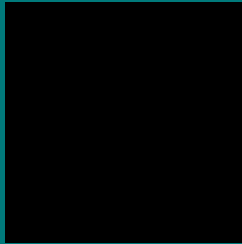
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 28.827, 197.614

Background



This preview shows how black text looks on a background with the CIELCh color 46, 28.827, 197.614.

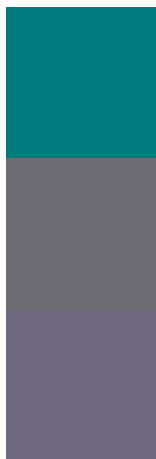


This preview shows how white text looks on a background with the CIELCh color 46, 28.827, 197.614.

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


46, 28.886, 197.606

Protanopia

46, 3.600, 297.072

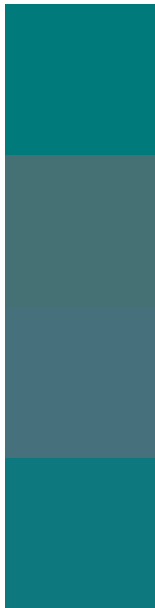
Deuteranopia

46, 12.102, 300.939



Tritanopia
46, 26.542, 208.536

Trichromacy



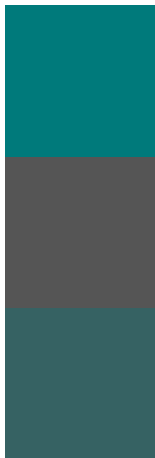
Original Color
46, 28.886, 197.606

Protanomaly
45, 15.684, 206.563

Deuteranomaly
45, 15.810, 227.712

Tritanomaly
46, 27.356, 204.210

Monochromacy



Original Color
46, 28.886, 197.606

Achromatopsia
36, 0.005, 296.813

Achromatomaly
39, 15.811, 199.716

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 28.827, 197.614 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, 123)` looks like.

```
.text, #text, p{  
    color:rgb(0, 122, 123)  
}
```

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, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 122, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 28.827, 197.614 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, 123) }
```

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

```
.border{ border-color:rgb(0, 122, 123) }
```

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, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 122, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 122, 123);  
box-shadow:4px 4px 4px 4px rgb(0, 122,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 28.827, 197.614 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, 123) }
```

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

```
.background{ background-color: rgb(0, 122,  
123) }
```

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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