

Converting Colors

CIELCh(46, 28.892, 198.871)

Have a look what the booklet for
CIELCh(46, 28.892, 198.871)
contains.

CIELCh(46, 28.742, 198.838)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(46, 28.742, 198.838)

Conversions

Conversions Part 1

Format	Color
Hex	007A7C
RGB	0, 122, 124
RGB Percent	0%, 48%, 49%
CMY	1.0000, 0.5230, 0.5151
CMYK	1.00, 0.02, 0.00, 0.52
HSL	181°, 100%, 24%
HSV	181°, 100%, 48%
XYZ	10.5166, 15.2687, 21.3419
YIQ	85.7500, -73.3540, -25.2420

Conversions

Conversions Part 2

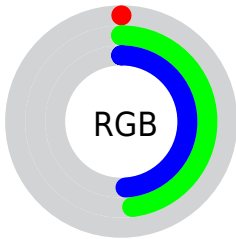
Format	Color
RYB	0, 61, 124
Decimal	31356
CIELab	46.00, -27.20, -9.28
CIELCh	46, 28.742, 198.838
Yxy	15.2687, 0.2232, 0.3240
Android (android.graphics.Color)	4278221436 (0xFF007A7C)
YUV	85.7500, 18.8573, -75.2027
Hunter-Lab	39.0751, -20.3406, -5.0301

Details

The CIELCh color **46, 28.742, 198.838** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **25, 59.315, 38.418**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 28.732, 198.209**, and **27, 20.002, 200.240** is the 20% darker color. If you saturate the color by 10%, you get **46, 28.679, 198.848**, and if you desaturate by 10%, it is **46, 28.009, 198.724**.

Distribution



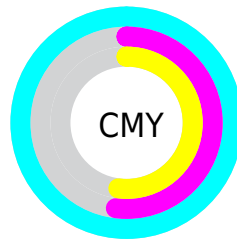
- Red (0%)
- Green (48%)
- Blue (49%)



- Red (0%)
- Yellow (24%)
- Blue (49%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (52%)



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

Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 28.742, 198.838 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, 28.742, 198.838 by changing the saturation by 10% instead.

 46, 28.742,
198.838


 46, 28.742,
198.838


 100, 28.742,
198.838

 36, 28.742,
198.838

 66, 28.742,
198.838

 26, 28.742,
198.838

 76, 28.742,
198.838

 16, 28.742,
198.838

 86, 28.742,
198.838

 6, 28.742, 198.838

 96, 28.742,
198.838

 0, 28.742, 198.838

 46, 28.742,

 46, 28.742,

198.838

198.838

■ 46, 28.679,
198.848

■ 46, 28.009,
198.724

■ 46, 26.981,
198.653

■ 47, 25.381,
198.668

■ 47, 23.193,
198.767

■ 48, 20.433,
198.947

■ 48, 17.145,
199.203

■ 49, 13.387,
199.529

■ 50, 9.229, 199.921

Harmonies

Complementary

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



46, 28.742, 198.838



25, 59.315, 38.418

Rectangle

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



46, 28.742, 198.838



46, 28.742, 248.838



46, 28.742, 18.838



46, 28.742, 68.838

Sweetspot

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



46, 28.679, 198.848



63, 16.541, 199.504



45, 70.081, 136.016



32, 11.222, 199.384



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, 28.679, 198.848



59, 34.679, 198.909



26, 40.845, 282.364



25, 2.656, 200.440



46, 28.897, 198.851



89, 48.587, 198.987

Inverse Universe

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



29, 66.794, 328.863



38, 80.787, 328.879



33, 49.545, 61.998



24, 4.877, 325.329



29, 67.302, 328.864



60, 113.218, 328.898

Previews

White Background



This preview shows how the CIELCh color 46, 28.742, 198.838 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, 28.742, 198.838 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

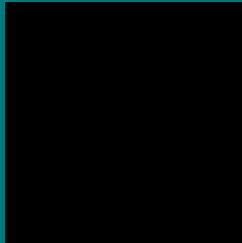
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 28.742, 198.838

Background



This preview shows how black text looks on a background with the CIELCh color 46, 28.742, 198.838.

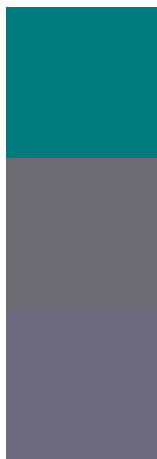


This preview shows how white text looks on a background with the CIELCh color 46, 28.742, 198.838.

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, 28.742, 198.838

Protanopia

46, 4.192, 296.228

Deuteranopia

46, 12.634, 298.835



Tritanopia
46, 26.631, 208.487

Trichromacy



Original Color
46, 28.742, 198.838

Protanomaly
45, 15.693, 208.813

Deuteranomaly
45, 16.272, 229.235

Tritanomaly
46, 27.279, 205.535

Monochromacy



Original Color
46, 28.742, 198.838

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, 28.742, 198.838 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, 124)` looks like.

```
.text, #text, p{  
    color:rgb(0, 122, 124)  
}
```

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, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 122, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 28.742, 198.838 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, 124) }
```

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

```
.border{ border-color:rgb(0, 122, 124) }
```

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, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 122, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 122, 124);  
box-shadow:4px 4px 4px 4px rgb(0, 122,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 28.742, 198.838 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, 124) }
```

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

```
.background{ background-color: rgb(0, 122,  
124) }
```

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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