

Converting Colors

CIELCh(46, 30.977, 186.148)

Have a look what the booklet for
CIELCh(46, 30.977, 186.148)
contains.

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Color

CIELCh(46, 31.088, 186.140)

Conversions

Conversions Part 1

Format	Color
Hex	007B72
RGB	0, 123, 114
RGB Percent	0%, 48%, 45%
CMY	1.0000, 0.5192, 0.5544
CMYK	1.00, 0.00, 0.07, 0.52
HSL	176°, 100%, 24%
HSV	176°, 100%, 48%
XYZ	10.0368, 15.2687, 18.2251
YIQ	85.1970, -70.4190, -28.8750

Conversions

Conversions Part 2

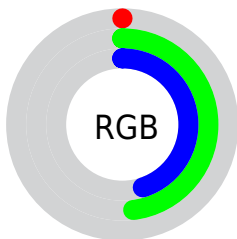
Format	Color
RYB	0, 64, 123
Decimal	31602
CIELab	46.00, -30.91, -3.33
CIELCh	46, 31.088, 186.140
Yxy	15.2687, 0.2306, 0.3508
Android (android.graphics.Color)	4278221682 (0xFF007B72)
YUV	85.1970, 14.1999, -74.7178
Hunter-Lab	39.0751, -22.5323, -0.3010

Details

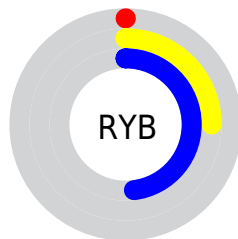
The CIELCh color **46, 31.088, 186.140** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **24, 57.123, 35.050**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 31.083, 186.506**, and **27, 21.987, 184.017** is the 20% darker color. If you saturate the color by 10%, you get **46, 31.021, 186.124**, and if you desaturate by 10%, it is **46, 30.041, 186.942**.

Distribution



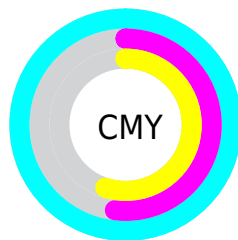
- Red (0%)
- Green (48%)
- Blue (45%)



- Red (0%)
- Yellow (25%)
- Blue (48%)



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (52%)





- Cyan (100%)
- Magenta (52%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 31.088, 186.140 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, 31.088, 186.140 by changing the saturation by 10% instead.


 46, 31.088,
186.140


 46, 31.088,
186.140


 100, 31.088,
186.140


 36, 31.088,
186.140

 66, 31.088,
186.140


 26, 31.088,
186.140

 76, 31.088,
186.140

 16, 31.088,
186.140

 86, 31.088,
186.140

 6, 31.088, 186.140

 96, 31.088,
186.140

 0, 31.088, 186.140

 46, 31.088,

 46, 31.088,

186.140

186.140

■ 46, 31.021,
186.124

■ 46, 30.041,
186.942

■ 46, 28.710,
187.740

■ 47, 26.811,
188.492

■ 47, 24.335,
189.212

■ 47, 21.307,
189.914

■ 48, 17.775,
190.606

■ 49, 13.804,
191.297

■ 50, 9.469, 191.994

Harmonies

Complementary

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



46, 31.088, 186.140



24, 57.123, 35.050

Rectangle

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



46, 31.088, 186.140



46, 31.088, 236.140



46, 31.088, 6.140



46, 31.088, 56.140

Sweetspot

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



46, 31.021, 186.124



63, 17.179, 191.245



44, 69.128, 135.453



32, 11.676, 191.004



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, 31.021, 186.124



59, 37.825, 185.885



29, 34.426, 272.661



25, 2.729, 192.791



47, 31.449, 186.106



90, 53.150, 185.590

Inverse Universe

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



24, 57.123, 35.050



33, 70.891, 36.671



31, 50.890, 55.565



24, 2.861, 13.931



25, 58.018, 35.217



53, 100.821, 37.824

Previews

White Background



This preview shows how the CIELCh color 46, 31.088, 186.140 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, 31.088, 186.140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

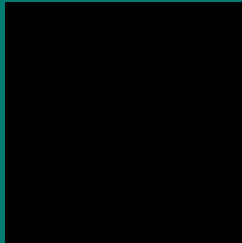
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 31.088, 186.140

Background



This preview shows how black text looks on a background with the CIELCh color 46, 31.088, 186.140.



This preview shows how white text looks on a background with the CIELCh color 46, 31.088, 186.140.

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, 31.088, 186.140

Protanopia

46, 2.159, 74.691

Deuteranopia

46, 7.511, 319.733



Tritanopia
46, 25.483, 210.547

Trichromacy



Original Color
46, 31.088, 186.140

Protanomaly
45, 15.958, 186.724

Deuteranomaly
45, 14.195, 207.656

Tritanomaly
46, 27.276, 200.378

Monochromacy



Original Color
46, 31.088, 186.140

Achromatopsia
36, 0.005, 296.813

Achromatomaly
39, 16.773, 188.847

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 31.088, 186.140 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, 123, 114)` looks like.

```
.text, #text, p{  
    color:rgb(0, 123, 114)  
}
```

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, 123, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 123, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 31.088, 186.140 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, 123, 114) }
```

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

```
.border{ border-color:rgb(0, 123, 114) }
```

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

Here you see how a box with a 4 pixel rgb(0, 123, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 123, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 123, 114);  
box-shadow:4px 4px 4px 4px rgb(0, 123,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 31.088, 186.140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 123, 114) }
```

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

```
.background{ background-color: rgb(0, 123,  
114) }
```

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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