

Converting Colors

CIELCh(46, 30.190, 190.402)

Have a look what the booklet for
CIELCh(46, 30.190, 190.402)
contains.

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Color

CIELCh(46, 29.986, 190.498)

Conversions

Conversions Part 1

Format	Color
Hex	017A75
RGB	1, 122, 117
RGB Percent	0%, 48%, 46%
CMY	0.9974, 0.5207, 0.5403
CMYK	0.99, 0.00, 0.04, 0.52
HSL	178°, 99%, 24%
HSV	178°, 99%, 48%
XYZ	10.2195, 15.2687, 19.3066
YIQ	85.2510, -70.5110, -27.2070

Conversions

Conversions Part 2

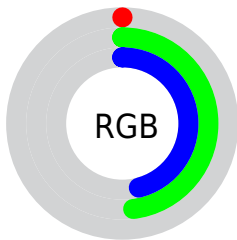
Format	Color
RYB	1, 63, 122
Decimal	96885
CIELab	46.00, -29.48, -5.46
CIELCh	46, 29.986, 190.498
Yxy	15.2687, 0.2281, 0.3409
Android (android.graphics.Color)	4278286965 (0xFF017A75)
YUV	85.2510, 15.6523, -73.8881
Hunter-Lab	39.0751, -21.6975, -1.9419

Details

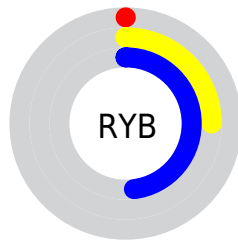
The CIELCh color **46, 29.986, 190.498** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **24, 57.611, 36.246**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 29.898, 190.511**, and **27, 20.746, 190.791** is the 20% darker color. If you saturate the color by 10%, you get **46, 30.032, 190.470**, and if you desaturate by 10%, it is **46, 29.126, 191.015**.

Distribution



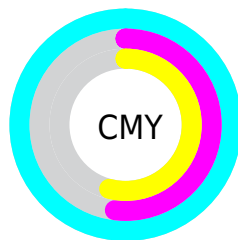
- Red (0%)
- Green (48%)
- Blue (46%)



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



- Cyan (99%)
- Magenta (0%)
- Yellow (4%)
- Black (52%)



- Cyan (100%)
- Magenta (52%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 29.986, 190.498 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, 29.986, 190.498 by changing the saturation by 10% instead.

 46, 29.986,
190.498

 46, 29.986,
190.498

 100, 29.986,
190.498

 36, 29.986,
190.498

 66, 29.986,
190.498


 26, 29.986,
190.498

 76, 29.986,
190.498

 16, 29.986,
190.498

 86, 29.986,
190.498

 6, 29.986, 190.498

 96, 29.986,
190.498

 0, 29.986, 190.498

 46, 29.986,

 46, 29.986,

190.498

190.498

■ 46, 30.032,
190.470

■ 46, 29.126,
191.015

■ 46, 27.892,
191.532

■ 47, 26.087,
192.046

■ 47, 23.702,
192.565

■ 47, 20.759,
193.099

■ 48, 17.306,
193.651

■ 49, 13.404,
194.227

■ 49, 9.127, 194.828

Harmonies

Complementary

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



46, 29.986, 190.498



24, 57.611, 36.246

Rectangle

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



46, 29.986, 190.498



46, 29.986, 240.498



46, 29.986, 10.498



46, 29.986, 60.498

Sweetspot

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



46, 29.986, 190.497



62, 16.779, 194.153



44, 69.028, 135.714



31, 11.250, 193.958



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



46, 29.986, 190.497



59, 36.237, 190.333



28, 36.477, 276.613



25, 2.712, 195.505



47, 30.513, 190.457



90, 51.465, 190.149

Inverse Universe

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



24, 57.611, 36.246



32, 71.220, 37.990



32, 49.782, 58.120



24, 2.853, 16.529



25, 58.900, 36.538



53, 102.205, 38.873

Previews

White Background



This preview shows how the CIELCh color 46, 29.986, 190.498 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, 29.986, 190.498 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

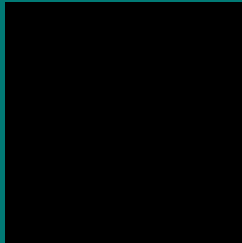
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 29.986, 190.498

Background



This preview shows how black text looks on a background with the CIELCh color 46, 29.986, 190.498.



This preview shows how white text looks on a background with the CIELCh color 46, 29.986, 190.498.

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, 29.925, 190.493

Protanopia

46, 1.020, 343.534

Deuteranopia

46, 9.512, 310.735



Tritanopia
46, 25.827, 210.330

Trichromacy



Original Color
46, 29.925, 190.493

Protanomaly
45, 15.663, 195.444

Deuteranomaly
45, 14.457, 217.439

Tritanomaly
46, 27.248, 201.669

Monochromacy



Original Color
46, 29.925, 190.493

Achromatopsia
36, 0.005, 296.813

Achromatomaly
39, 16.440, 193.061

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 29.986, 190.498 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(1, 122, 117)` looks like.

```
.text, #text, p{  
    color:rgb(1, 122, 117)  
}
```

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(1, 122, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 122, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 29.986, 190.498 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(1, 122, 117) }
```

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

```
.border{ border-color:rgb(1, 122, 117) }
```

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

Here you see how a box with a 4 pixel rgb(1, 122, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 122, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 122, 117);  
box-shadow:4px 4px 4px 4px rgb(1, 122,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 29.986, 190.498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 122, 117) }
```

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

```
.background{ background-color: rgb(1, 122,  
117) }
```

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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