

Converting Colors

CIELCh(42, 60.695, 190.054)

Have a look what the booklet for
CIELCh(42, 60.695, 190.054)
contains.

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Color

CIELCh(46, 30.038, 189.316)

Conversions

Conversions Part 1

Format	Color
Hex	047A74
RGB	4, 122, 116
RGB Percent	2%, 48%, 45%
CMY	0.9861, 0.5206, 0.5442
CMYK	0.97, 0.00, 0.05, 0.52
HSL	177°, 94%, 25%
HSV	177°, 97%, 48%
XYZ	10.1992, 15.2687, 18.9985
YIQ	86.0340, -68.4020, -26.8820

Conversions

Conversions Part 2

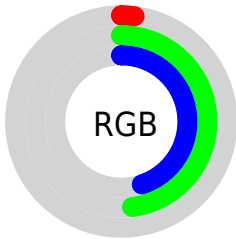
Format	Color
RYB	4, 65, 122
Decimal	293492
CIELab	46.00, -29.64, -4.86
CIELCh	46, 30.038, 189.316
Yxy	15.2687, 0.2294, 0.3434
Android (android.graphics.Color)	4278483572 (0xFF047A74)
YUV	86.0340, 14.7732, -71.9438
Hunter-Lab	39.0751, -21.7904, -1.4744

Details

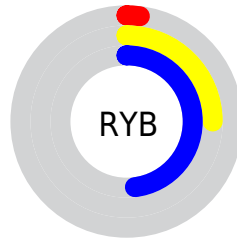
The CIELCh color **46, 30.038, 189.316** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **24, 56.406, 35.425**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 29.856, 189.421**, and **27, 20.987, 189.002** is the 20% darker color. If you saturate the color by 10%, you get **46, 30.296, 189.140**, and if you desaturate by 10%, it is **46, 29.102, 189.930**.

Distribution



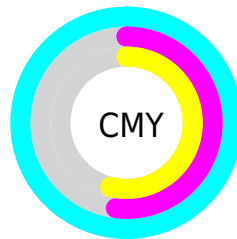
- Red (2%)
- Green (48%)
- Blue (45%)



- Red (2%)
- Yellow (25%)
- Blue (48%)



- Cyan (97%)
- Magenta (0%)
- Yellow (5%)
- Black (52%)





- Cyan (99%)
- Magenta (52%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 30.038, 189.316 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, 30.038, 189.316 by changing the saturation by 10% instead.


 46, 30.038,
189.316


 46, 30.038,
189.316


 100, 30.038,
189.316


 36, 30.038,
189.316

 66, 30.038,
189.316


 26, 30.038,
189.316

 76, 30.038,
189.316

 16, 30.038,
189.316


 86, 30.038,
189.316

 6, 30.038, 189.316

 96, 30.038,
189.316

 0, 30.038, 189.316

 46, 30.038,

 46, 30.038,

189.316

■ 46, 30.296,
189.140

189.316

■ 46, 29.102,
189.930

■ 46, 27.700,
190.529

■ 47, 25.723,
191.115

■ 47, 23.170,
191.697

■ 48, 20.071,
192.285

■ 48, 16.479,
192.885

■ 49, 12.459,
193.500

■ 50, 8.086, 194.139

Harmonies

Complementary

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



46, 30.038, 189.316



24, 56.406, 35.425

Rectangle

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



46, 30.038, 189.316



46, 30.038, 239.316



46, 30.038, 9.316



46, 30.038, 59.316

Sweetspot

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



46, 30.038, 189.315



62, 16.323, 193.338



44, 68.260, 135.759



31, 11.009, 193.126



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, 30.038, 189.315



59, 36.560, 188.974



29, 34.537, 273.605



25, 2.717, 194.687



47, 30.778, 189.125



90, 51.941, 188.752

Inverse Universe

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



24, 56.406, 35.425



32, 70.858, 37.587



32, 48.904, 57.080



24, 2.855, 15.748



25, 58.632, 36.146



53, 101.831, 38.596

Previews

White Background



This preview shows how the CIE LCh color 46, 30.038, 189.316 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, 30.038, 189.316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

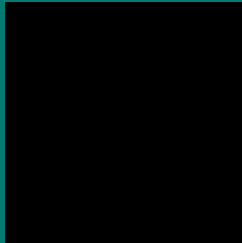
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 30.038, 189.316

Background



This preview shows how black text looks on a background with the CIELCh color 46, 30.038, 189.316.



This preview shows how white text looks on a background with the CIELCh color 46, 30.038, 189.316.

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, 29.961, 189.335

Protanopia

46, 1.233, 19.268

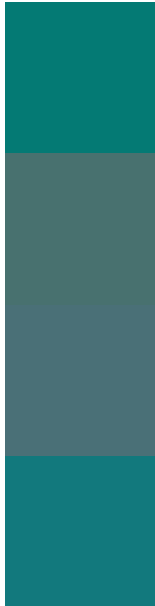
Deuteranopia

46, 8.956, 311.988



Tritanopia
46, 25.716, 210.399

Trichromacy



Original Color
46, 29.961, 189.335

Protanomaly
45, 15.162, 193.142

Deuteranomaly
45, 14.062, 215.423

Tritanomaly
46, 27.164, 201.693

Monochromacy



Original Color
46, 29.961, 189.335

Achromatopsia
37, 0.005, 296.813

Achromatomaly
39, 15.855, 192.976

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 30.038, 189.316 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(4, 122, 116)` looks like.

```
.text, #text, p{  
    color:rgb(4, 122, 116)  
}
```

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(4, 122, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 122, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 30.038, 189.316 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(4, 122, 116) }
```

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

```
.border{ border-color:rgb(4, 122, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 122, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 122, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 122, 116);  
box-shadow:4px 4px 4px 4px rgb(4, 122,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 30.038, 189.316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 122, 116) }
```

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

```
.background{ background-color: rgb(4, 122,  
116) }
```

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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