

Converting Colors

CIELCh(46, 33.075, 179.183)

Have a look what the booklet for
CIELCh(46, 33.075, 179.183)
contains.

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Color

CIELCh(46, 33.052, 179.087)

Conversions

Conversions Part 1

Format	Color
Hex	007B6B
RGB	0, 123, 107
RGB Percent	0%, 48%, 42%
CMY	0.9984, 0.5171, 0.5798
CMYK	1.00, 0.00, 0.13, 0.52
HSL	172°, 99%, 24%
HSV	172°, 100%, 48%
XYZ	9.7668, 15.2687, 16.3805
YIQ	84.3990, -68.1720, -31.0520

Conversions

Conversions Part 2

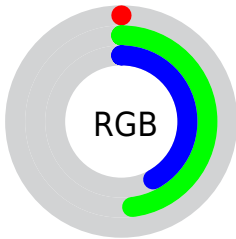
Format	Color
RYB	0, 66, 123
Decimal	31595
CIELab	46.00, -33.05, 0.53
CIELCh	46, 33.052, 179.087
Yxy	15.2687, 0.2358, 0.3687
Android (android.graphics.Color)	4278221675 (0xFF007B6B)
YUV	84.3990, 11.1423, -74.0179
Hunter-Lab	39.0751, -23.7655, 2.4980

Details

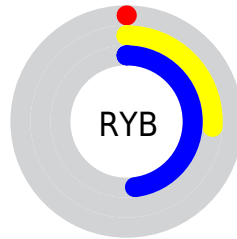
The CIELCh color **46, 33.052, 179.087** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **25, 55.504, 32.150**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 32.956, 178.967**, and **27, 23.987, 175.017** is the 20% darker color. If you saturate the color by 10%, you get **46, 33.093, 179.047**, and if you desaturate by 10%, it is **46, 31.797, 180.335**.

Distribution



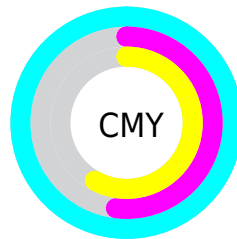
- Red (0%)
- Green (48%)
- Blue (42%)



- Red (0%)
- Yellow (26%)
- Blue (48%)



- Cyan (100%)
- Magenta (0%)
- Yellow (13%)
- Black (52%)





- Cyan (100%)
- Magenta (52%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 33.052, 179.087 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, 33.052, 179.087 by changing the saturation by 10% instead.


 46, 33.052,
179.087


 46, 33.052,
179.087


 100, 33.052,
179.087


 36, 33.052,
179.087

 66, 33.052,
179.087


 26, 33.052,
179.087

 76, 33.052,
179.087

 16, 33.052,
179.087


 86, 33.052,
179.087

 6, 33.052, 179.087

 96, 33.052,
179.087

 0, 33.052, 179.087

 46, 33.052,

 46, 33.052,

179.087

179.087

■ 46, 33.093,
179.047

■ 46, 31.797,
180.335

■ 46, 30.182,
181.533

■ 47, 28.003,
182.630

■ 47, 25.258,
183.642

■ 48, 21.978,
184.589

■ 48, 18.218,
185.485

■ 49, 14.048,
186.344

■ 50, 9.544, 187.179

Harmonies

Complementary

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



46, 33.052, 179.087



25, 55.504, 32.150

Rectangle

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



46, 33.052, 179.087



46, 33.052, 229.087



46, 33.052, 359.087



46, 33.052, 49.087

Sweetspot

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



46, 33.052, 179.086



63, 17.600, 186.255



45, 68.875, 135.068



32, 11.979, 185.958



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, 33.052, 179.086



59, 40.299, 178.677



32, 31.335, 265.381



25, 2.773, 188.071



47, 33.448, 179.025



89, 56.761, 178.214

Inverse Universe

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



25, 55.504, 32.150



33, 68.471, 33.608



30, 52.052, 52.113



24, 2.890, 9.373



25, 56.292, 32.353



53, 97.598, 35.120

Previews

White Background



This preview shows how the CIELCh color 46, 33.052, 179.087 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, 33.052, 179.087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

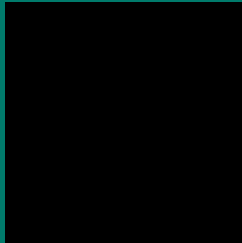
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 33.052, 179.087

Background



This preview shows how black text looks on a background with the CIELCh color 46, 33.052, 179.087.

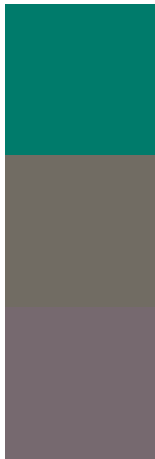


This preview shows how white text looks on a background with the CIELCh color 46, 33.052, 179.087.

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, 33.052, 179.087

Protanopia
46, 5.729, 87.669

Deuteranopia
46, 6.442, 346.646



Tritanopia
46, 24.974, 210.877

Trichromacy



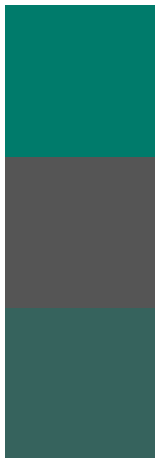
Original Color
46, 33.052, 179.087

Protanomaly
45, 17.707, 173.446

Deuteranomaly
45, 13.891, 192.856

Tritanomaly
46, 27.257, 197.823

Monochromacy



Original Color
46, 33.052, 179.087

Achromatopsia
36, 0.005, 296.813

Achromatomaly
39, 17.185, 184.812

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 33.052, 179.087 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, 107)` looks like.

```
.text, #text, p{  
    color:rgb(0, 123, 107)  
}
```

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, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 123, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 33.052, 179.087 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, 107) }
```

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

```
.border{ border-color:rgb(0, 123, 107) }
```

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, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 123, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 123, 107);  
box-shadow:4px 4px 4px 4px rgb(0, 123,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 33.052, 179.087 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, 107) }
```

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

```
.background{ background-color: rgb(0, 123,  
107) }
```

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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