

Converting Colors

CIELCh(46, 25.674, 183.160)

Have a look what the booklet for
CIELCh(46, 25.674, 183.160)
contains.

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Color

CIELCh(46, 25.840, 183.232)

Conversions

Conversions Part 1

Format	Color
Hex	2D796F
RGB	45, 121, 111
RGB Percent	18%, 47%, 44%
CMY	0.8253, 0.5270, 0.5662
CMYK	0.63, 0.00, 0.08, 0.53
HSL	172°, 46%, 32%
HSV	172°, 63%, 47%
XYZ	10.7021, 15.2687, 17.3140
YIQ	97.1360, -42.0860, -19.2220

Conversions

Conversions Part 2

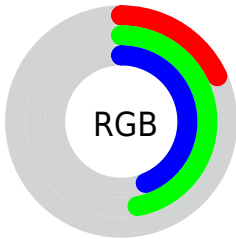
Format	Color
RYB	45, 86, 121
Decimal	2980207
CIELab	46.00, -25.80, -1.46
CIElCh	46, 25.840, 183.232
Yxy	15.2687, 0.2472, 0.3527
Android (android.graphics.Color)	4281170287 (0xFF2D796F)
YUV	97.1360, 6.8350, -45.7233
Hunter-Lab	39.0751, -19.4930, 1.0815

Details

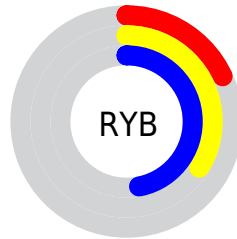
The CIELCh color **46, 25.840, 183.232** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **30, 35.868, 18.057**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 25.807, 183.515**, and **27, 22.429, 180.688** is the 20% darker color. If you saturate the color by 10%, you get **46, 28.365, 182.191**, and if you desaturate by 10%, it is **46, 22.778, 184.198**.

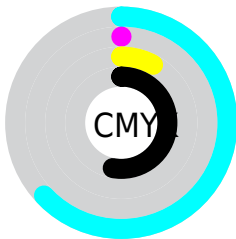
Distribution



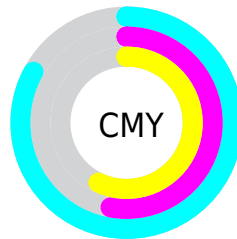
- Red (18%)
- Green (47%)
- Blue (44%)



- Red (18%)
- Yellow (34%)
- Blue (47%)



- Cyan (63%)
- Magenta (0%)
- Yellow (8%)
- Black (53%)





- Cyan (83%)
- Magenta (53%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 25.840, 183.232 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, 25.840, 183.232 by changing the saturation by 10% instead.


 46, 25.840,
183.232


 46, 25.840,
183.232


 100, 25.840,
183.232


 36, 25.840,
183.232

 66, 25.840,
183.232


 26, 25.840,
183.232

 76, 25.840,
183.232

 16, 25.840,
183.232

 86, 25.840,
183.232

 6, 25.840, 183.232

 96, 25.840,
183.232

 0, 25.840, 183.232

 46, 25.840,

 46, 25.840,

183.232

183.232

■ 46, 28.365,
182.191

■ 46, 22.778,
184.198

■ 45, 30.332,
181.060

■ 47, 19.225,
185.110

■ 45, 31.760,
179.824

■ 48, 15.247,
185.981

■ 45, 32.629,
178.968

■ 48, 10.917,
186.823

■ 49, 6.310, 187.654

■ 50, 1.499, 188.625

■ 51, 3.453, 9.043

■ 53, 8.491, 9.858

■ 54, 13.570, 10.610

Harmonies

Complementary

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



46, 25.840, 183.232



30, 35.868, 18.057

Rectangle

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



46, 25.840, 183.232



46, 25.840, 233.232



46, 25.840, 3.232



46, 25.840, 53.232

Sweetspot

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



46, 25.840, 183.231



62, 11.168, 187.122



45, 50.540, 136.704



32, 7.706, 186.927



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, 25.840, 183.231



58, 35.325, 181.664



37, 21.855, 250.800



25, 2.774, 187.993



47, 33.484, 178.913



89, 56.827, 178.098

Inverse Universe

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



30, 35.868, 18.057



35, 53.086, 22.866



36, 30.725, 54.994



24, 2.891, 9.298



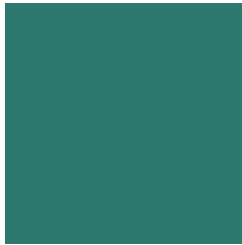
25, 56.259, 32.294



53, 97.539, 35.067

Previews

White Background



This preview shows how the CIELCh color 46, 25.840, 183.232 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, 25.840, 183.232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

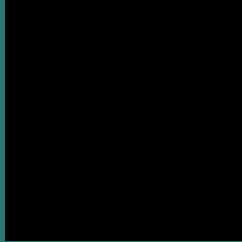
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 25.840, 183.232

Background



This preview shows how black text looks on a background with the CIELCh color 46, 25.840, 183.232.



This preview shows how white text looks on a background with the CIELCh color 46, 25.840, 183.232.

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, 25.840, 183.232

Protanopia

46, 3.207, 86.740

Deuteranopia

46, 7.004, 330.423



Tritanopia
46, 21.318, 213.686

Trichromacy



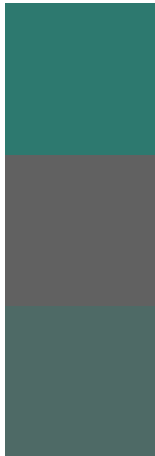
Original Color
46, 25.840, 183.232

Protanomaly
45, 11.121, 176.071

Deuteranomaly
45, 8.147, 206.991

Tritanomaly
46, 22.314, 201.694

Monochromacy



Original Color
46, 25.840, 183.232

Achromatopsia
41, 0.006, 296.813

Achromatomaly
43, 11.225, 185.611

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 25.840, 183.232 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(45, 121, 111)` looks like.

```
.text, #text, p{  
    color:rgb(45, 121, 111)  
}
```

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(45, 121, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 121, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 25.840, 183.232 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(45, 121, 111) }
```

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

```
.border{ border-color:rgb(45, 121, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 121, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 121, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 121, 111);  
box-shadow:4px 4px 4px 4px rgb(45, 121,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 25.840, 183.232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 121, 111) }
```

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

```
.background{ background-color: rgb(45, 121,  
111) }
```

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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