

Converting Colors

CIELCh(16, 15.996, 186.397)

Have a look what the booklet for
CIELCh(16, 15.996, 186.397)
contains.

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Color

CIELCh(16, 16.080, 186.000)

Conversions

Conversions Part 1

Format	Color
Hex	002E2A
RGB	0, 46, 42
RGB Percent	0%, 18%, 16%
CMY	1.0000, 0.8206, 0.8362
CMYK	1.00, 0.00, 0.09, 0.82
HSL	175°, 100%, 9%
HSV	175°, 100%, 18%
XYZ	1.3787, 2.0993, 2.5011
YIQ	31.7900, -26.1320, -10.9960

Conversions

Conversions Part 2

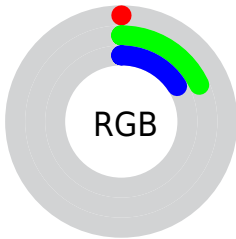
Format	Color
RYB	0, 24, 46
Decimal	11818
CIELab	16.00, -15.99, -1.68
CIELCh	16, 16.080, 186.000
Yxy	2.0993, 0.2306, 0.3511
Android (android.graphics.Color)	4278201898 (0xFF002E2A)
YUV	31.7900, 5.0335, -27.8798
Hunter-Lab	14.4890, -8.3710, -0.0925

Details

The CIELCh color **16, 16.080, 186.000** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **5, 23.643, 16.464**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 16.127, 186.107**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **16, 16.031, 185.978**, and if you desaturate by 10%, it is **16, 14.877, 186.527**.

Distribution



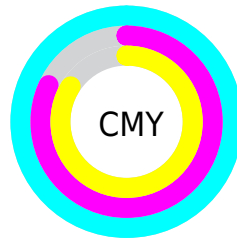
- Red (0%)
- Green (18%)
- Blue (16%)



- Red (0%)
- Yellow (9%)
- Blue (18%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (82%)



- Cyan (100%)
- Magenta (82%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 16.080, 186.000 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 16, 16.080, 186.000 by changing the saturation by 10% instead.

■ 16, 16.080,
186.000

■ 16, 16.080,
186.000

■ 100, 16.080,
186.000

■ 6, 16.080, 186.000

■ 36, 16.080,
186.000

■ 0, 16.080, 186.000

■ 46, 16.080,
186.000


■ 56, 16.080,
186.000


■ 66, 16.080,
186.000


■ 76, 16.080,
186.000


■ 86, 16.080,


186.000


 96, 16.080,
186.000


 16, 16.080,
186.000

 16, 16.080,
186.000

 16, 16.031,
185.978

 16, 14.877,
186.527

 16, 13.772,
187.153

 17, 12.627,
187.830

 17, 11.281,
188.486

 17, 9.745, 189.126

■ 17, 8.040, 189.757

■ 18, 6.189, 190.383

■ 18, 4.216, 191.012

■ 18, 2.146, 191.668

Harmonies

Complementary

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



16, 16.080, 186.000



5, 23.643, 16.464

Rectangle

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



16, 16.080, 186.000



16, 16.080, 236.000



16, 16.080, 6.000



16, 16.080, 56.000

Sweetspot

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



16, 16.031, 185.978



23, 7.599, 190.281



15, 32.715, 138.378



11, 5.237, 190.242



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

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



16, 16.031, 185.978



21, 18.817, 185.450



9, 15.447, 261.397



7, 1.123, 192.006



33, 24.563, 184.775



77, 47.630, 183.810

Inverse Universe

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



5, 23.643, 16.464



8, 30.504, 21.485



9, 18.632, 48.499



7, 1.123, 12.377



16, 42.431, 30.013



45, 88.029, 36.884

Previews

White Background



This preview shows how the CIELCh color 16, 16.080, 186.000 looks on a white background.

Color Contrast Check

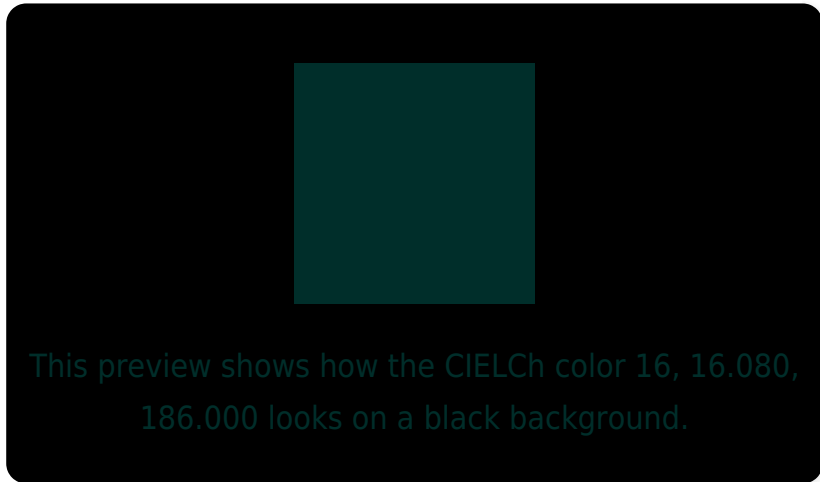
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

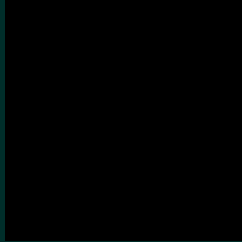
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 16.080, 186.000

Background



This preview shows how black text looks on a background with the CIELCh color 16, 16.080, 186.000.



This preview shows how white text looks on a background with the CIELCh color 16, 16.080, 186.000.

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

16, 16.080, 186.000

Protanopia

16, 1.195, 55.107

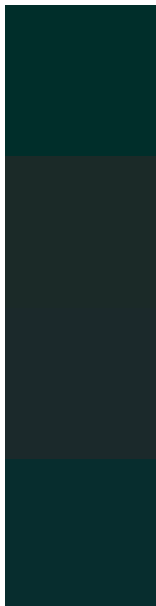
Deuteranopia

16, 3.404, 324.825



Tritanopia
16, 12.202, 207.040

Trichromacy



Original Color
16, 16.080, 186.000

Protanomaly
16, 6.903, 186.083

Deuteranomaly
15, 6.206, 211.357

Tritanomaly
16, 13.199, 199.821

Monochromacy



Original Color
16, 16.080, 186.000

Achromatopsia
12, 0.003, 296.813

Achromatomaly
13, 7.540, 192.139

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 16.080, 186.000 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, 46, 42)` looks like.

```
.text, #text, p{  
    color:rgb(0, 46, 42)  
}
```

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, 46, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 46, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 16.080, 186.000 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, 46, 42) }
```

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

```
.border{ border-color:rgb(0, 46, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 46, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 46, 42); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 46, 42); box-shadow:4px  
4px 4px 4px rgb(0, 46, 42) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 16.080, 186.000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 46, 42) }
```

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

```
.background{ background-color: rgb(0, 46,  
42) }
```

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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