

Converting Colors

CIELCh(18, 11.848, 176.500)

Have a look what the booklet for
CIELCh(18, 11.848, 176.500)
contains.

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Color

CIELCh(18, 11.848, 176.500)

Conversions

Conversions Part 1

Format	Color
Hex	17312B
RGB	23, 49, 43
RGB Percent	9%, 19%, 17%
CMY	0.9111, 0.8092, 0.8327
CMYK	0.53, 0.00, 0.12, 0.81
HSL	166°, 36%, 14%
HSV	166°, 53%, 19%
XYZ	1.8594, 2.5180, 2.6415
YIQ	40.5420, -13.5700, -7.3780

Conversions

Conversions Part 2

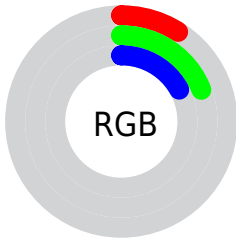
Format	Color
RYB	23, 38, 49
Decimal	1519915
CIELab	18.00, -11.83, 0.72
CIElCh	18, 11.848, 176.500
Yxy	2.5180, 0.2649, 0.3587
Android (android.graphics.Color)	4279709995 (0xFF17312B)
YUV	40.5420, 1.2118, -15.3843
Hunter-Lab	15.8683, -6.8531, 1.2383

Details

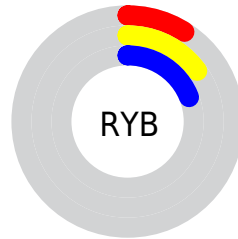
The CIELCh color **18, 11.848, 176.500** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **11, 14.071, 6.703**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 11.742, 176.316**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 13.669, 175.478**, and if you desaturate by 10%, it is **18, 9.863, 177.448**.

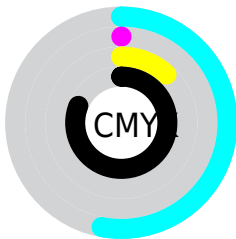
Distribution



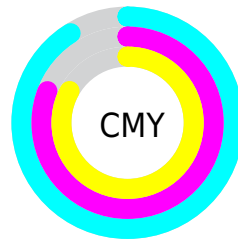
- Red (9%)
- Green (19%)
- Blue (17%)



- Red (9%)
- Yellow (15%)
- Blue (19%)



- Cyan (53%)
- Magenta (0%)
- Yellow (12%)
- Black (81%)



- Cyan (91%)
- Magenta (81%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 11.848, 176.500 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 18, 11.848, 176.500 by changing the saturation by 10% instead.

■ 18, 11.848,
176.500

■ 18, 11.848,
176.500

■ 100, 11.848,
176.500

■ 8, 11.848, 176.500

■ 38, 11.848,
176.500

■ 0, 11.848, 176.500

■ 48, 11.848,
176.500


■ 58, 11.848,
176.500


■ 68, 11.848,
176.500


■ 78, 11.848,
176.500


■ 88, 11.848,

176.500


 98, 11.848,
176.500

 18, 11.848,
176.500


 18, 11.848,
176.500

 18, 13.669,
175.478


 18, 9.863, 177.448

 18, 15.301,
174.375


 19, 7.741, 178.340

 17, 16.748,
173.201

 19, 5.509, 179.186

 17, 18.207,
172.184

 20, 0.823, 180.932

 17, 19.200,
171.617

 21, 1.586, 1.313

 21, 4.013, 2.085

■ 22, 6.442, 2.778

■ 22, 8.860, 3.440

Harmonies

Complementary

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



18, 11.848, 176.500



11, 14.071, 6.703

Rectangle

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



18, 11.848, 176.500



18, 11.848, 226.500



18, 11.848, 356.500



18, 11.848, 46.500

Sweetspot

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



18, 11.848, 176.498



26, 4.758, 179.723



18, 20.074, 135.396



12, 3.246, 179.698



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



18, 11.848, 176.498



24, 17.077, 175.032



16, 8.813, 231.939



9, 1.373, 180.433



33, 29.435, 169.427



77, 57.355, 167.648

Inverse Universe

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



11, 14.071, 6.703



14, 21.251, 9.297



13, 11.922, 45.899



8, 1.408, 1.511



16, 41.071, 22.461



46, 81.030, 27.729

Previews

White Background



This preview shows how the CIELCh color 18, 11.848, 176.500 looks on a white background.

Color Contrast Check

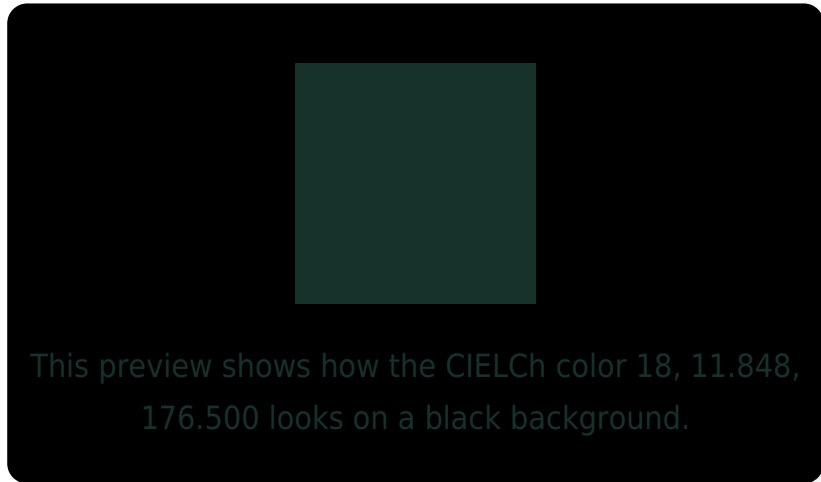
Large Text (above 18pt) WCAG AA ✓ Pass

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

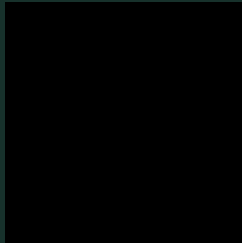
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 11.848, 176.500

Background



This preview shows how black text looks on a background with the CIELCh color 18, 11.848, 176.500.



This preview shows how white text looks on a background with the CIELCh color 18, 11.848, 176.500.

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
18, 11.848, 176.500

Protanopia
18, 2.915, 89.772

Deuteranopia
18, 2.504, 3.975



Tritanopia
18, 9.106, 215.616

Trichromacy



Original Color
18, 11.848, 176.500

Protanomaly
18, 5.153, 156.413

Deuteranomaly
18, 2.883, 184.955

Tritanomaly
18, 9.792, 197.469

Monochromacy



Original Color
18, 11.848, 176.500

Achromatopsia
16, 0.003, 296.813

Achromatomaly
17, 4.430, 180.062

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 11.848, 176.500 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(23, 49, 43)` looks like.

```
.text, #text, p{  
    color:rgb(23, 49, 43)  
}
```

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(23, 49, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 49, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 11.848, 176.500 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(23, 49, 43) }
```

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

```
.border{ border-color:rgb(23, 49, 43) }
```

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

Here you see how a box with a 4 pixel rgb(23, 49, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 49, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 49, 43);  
box-shadow:4px 4px 4px 4px rgb(23, 49, 43)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 11.848, 176.500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 49, 43) }
```

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

```
.background{ background-color: rgb(23, 49,  
43) }
```

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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