

Converting Colors

CIELCh(18, 18.236, 177.393)

Have a look what the booklet for
CIELCh(18, 18.236, 177.393)
contains.

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Color

CIELCh(18, 18.519, 176.168)

Conversions

Conversions Part 1

Format	Color
Hex	01332A
RGB	1, 51, 42
RGB Percent	0%, 20%, 16%
CMY	0.9970, 0.8009, 0.8362
CMYK	0.98, 0.00, 0.18, 0.80
HSL	169°, 97%, 10%
HSV	169°, 98%, 20%
XYZ	1.5974, 2.5180, 2.5717
YIQ	35.0240, -26.9110, -13.3990

Conversions

Conversions Part 2

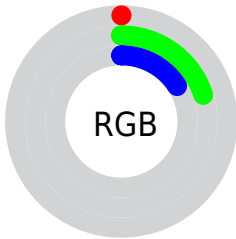
Format	Color
R_YB	1, 28, 51
Decimal	78634
CIE Lab	18.00, -18.48, 1.24
CIE LCh	18, 18.519, 176.168
Yxy	2.5180, 0.2389, 0.3765
Android (android.graphics.Color)	4278268714 (0xFF01332A)
YUV	35.0240, 3.4392, -29.8390
Hunter-Lab	15.8683, -9.8008, 1.4990

Details

The CIELCh color **18, 18.519, 176.168** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **7, 26.209, 14.332**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 18.528, 175.577**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 18.732, 176.045**, and if you desaturate by 10%, it is **18, 17.157, 177.049**.

Distribution



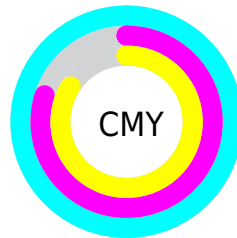
- Red (0%)
- Green (20%)
- Blue (16%)



- Red (0%)
- Yellow (11%)
- Blue (20%)



- Cyan (98%)
- Magenta (0%)
- Yellow (18%)
- Black (80%)





- Cyan (100%)
- Magenta (80%)
- Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 18, 18.519, 176.168 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, 18.519, 176.168 by changing the saturation by 10% instead.

 18, 18.519,
176.168


 18, 18.519,
176.168


 100, 18.519,
176.168


 8, 18.519, 176.168


 38, 18.519,
176.168

 0, 18.519, 176.168

 48, 18.519,
176.168


 58, 18.519,
176.168


 68, 18.519,
176.168

 78, 18.519,
176.168


 88, 18.519,


176.168


 98, 18.519,
176.168


 18, 18.519,
176.168


 18, 18.519,
176.168


 18, 18.732,
176.045

 18, 17.157,
177.049

 18, 15.846,
178.090

 19, 14.402,
179.135

 19, 12.742,
180.105

 19, 10.886,
181.014

■ 19, 8.861, 181.873

■ 20, 6.694, 182.692

■ 20, 4.415, 183.485

■ 21, 2.050, 184.284

Harmonies

Complementary

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



18, 18.519, 176.168



7, 26.209, 14.332

Rectangle

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



18, 18.519, 176.168



18, 18.519, 226.168



18, 18.519, 356.168



18, 18.519, 46.168

Sweetspot

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



18, 18.519, 176.167



26, 8.770, 182.439



18, 34.689, 135.738



12, 5.845, 182.384



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, 18.519, 176.167



24, 22.469, 175.133



12, 14.761, 249.437



9, 1.342, 184.304



33, 27.730, 174.303



78, 53.731, 172.740

Inverse Universe

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



7, 26.209, 14.332



11, 33.115, 20.616



10, 21.687, 42.253



8, 1.382, 5.323



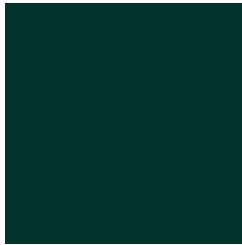
16, 41.993, 25.966



45, 83.784, 31.534

Previews

White Background



This preview shows how the CIELCh color 18, 18.519, 176.168 looks on a white background.

Color Contrast Check

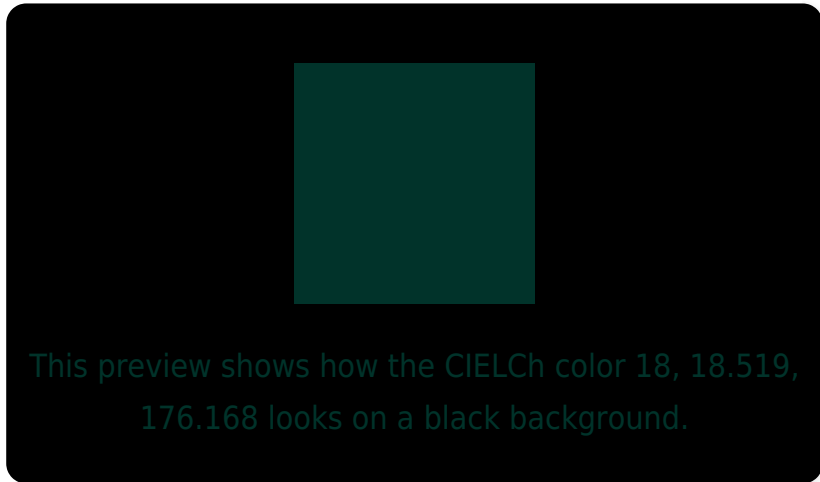
Large Text (above 18pt) WCAG AA ✓ Pass

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

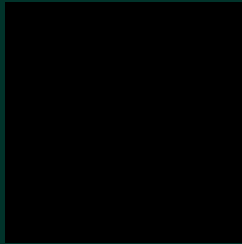
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 18.519, 176.168

Background



This preview shows how black text looks on a background with the CIELCh color 18, 18.519, 176.168.



This preview shows how white text looks on a background with the CIELCh color 18, 18.519, 176.168.

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, 18.519, 176.168

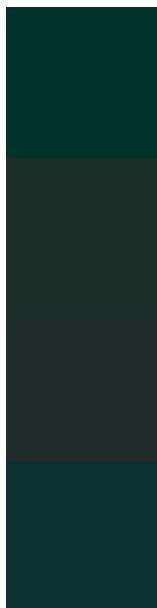
Protanopia
18, 3.740, 85.850

Deuteranopia
18, 2.913, 19.987



Tritanopia
18, 12.353, 210.215

Trichromacy



Original Color
18, 18.519, 176.168

Protanomaly
17, 8.477, 168.209

Deuteranomaly
18, 7.086, 180.806

Tritanomaly
18, 14.146, 193.858

Monochromacy



Original Color
18, 18.519, 176.168

Achromatopsia
14, 0.003, 296.813

Achromatomaly
15, 8.599, 178.202

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 18.519, 176.168 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(1, 51, 42)` looks like.

```
.text, #text, p{  
    color:rgb(1, 51, 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(1, 51, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 51, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 18.519, 176.168 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(1, 51, 42) }
```

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

```
.border{ border-color:rgb(1, 51, 42) }
```

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

Here you see how a box with a 4 pixel rgb(1, 51, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 51, 42); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 51, 42); box-shadow:4px  
4px 4px 4px rgb(1, 51, 42) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 18.519, 176.168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 51, 42) }
```

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

```
.background{ background-color: rgb(1, 51,  
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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