

Converting Colors

CIELCh(18, 16.450, 192.145)

Have a look what the booklet for
CIELCh(18, 16.450, 192.145)
contains.

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Color

CIELCh(18, 16.095, 193.840)

Conversions

Conversions Part 1

Format	Color
Hex	003231
RGB	0, 50, 49
RGB Percent	0%, 20%, 19%
CMY	0.9994, 0.8033, 0.8073
CMYK	1.00, 0.00, 0.02, 0.80
HSL	179°, 99%, 10%
HSV	179°, 100%, 20%
XYZ	1.7064, 2.5180, 3.3182
YIQ	34.9360, -29.4790, -10.9110

Conversions

Conversions Part 2

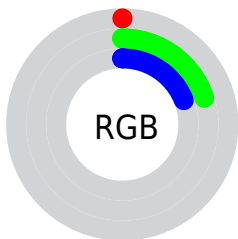
Format	Color
RYB	0, 25, 50
Decimal	12849
CIELab	18.00, -15.63, -3.85
CIELCh	18, 16.095, 193.840
Yxy	2.5180, 0.2262, 0.3338
Android (android.graphics.Color)	4278202929 (0xFF003231)
YUV	34.9360, 6.9336, -30.6389
Hunter-Lab	15.8683, -8.5744, -1.2902

Details

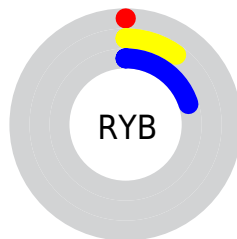
The CIELCh color **18, 16.095, 193.840** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **6, 26.470, 20.665**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 16.153, 192.975**, and **0, 0.403, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **18, 16.126, 193.830**, and if you desaturate by 10%, it is **18, 15.086, 194.126**.

Distribution



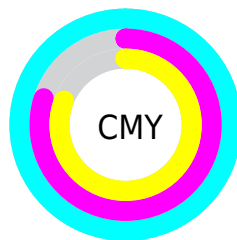
- Red (0%)
- Green (20%)
- Blue (19%)



- Red (0%)
- Yellow (10%)
- Blue (20%)



- Cyan (100%)
- Magenta (0%)
- Yellow (2%)
- Black (80%)





- Cyan (100%)
- Magenta (80%)
- Yellow (81%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 16.095, 193.840 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, 16.095, 193.840 by changing the saturation by 10% instead.

 18, 16.095,
193.840


 18, 16.095,
193.840


 100, 16.095,
193.840


 8, 16.095, 193.840


 38, 16.095,
193.840

 0, 16.095, 193.840

 48, 16.095,
193.840


 58, 16.095,
193.840


 68, 16.095,
193.840


 78, 16.095,
193.840


 88, 16.095,


193.840

 98, 16.095,
193.840


 18, 16.095,
193.840


 18, 16.095,
193.840

 18, 16.126,
193.830

 18, 15.086,
194.126

 18, 14.111,
194.429

 18, 13.023,
194.754

 19, 11.699,
195.106

 19, 10.154,
195.489

■ 19, 8.409, 195.900

■ 20, 6.487, 196.342

■ 20, 4.416, 196.817

■ 20, 2.221, 197.345

Harmonies

Complementary

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



18, 16.095, 193.840



6, 26.470, 20.665

Rectangle

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



18, 16.095, 193.840



18, 16.095, 243.840



18, 16.095, 13.840



18, 16.095, 63.840

Sweetspot

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



18, 16.095, 193.839



26, 8.237, 196.252



17, 35.877, 138.453



12, 5.486, 196.221



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, 16.095, 193.839



25, 19.313, 193.689



9, 18.379, 271.222



9, 1.287, 197.432



34, 23.629, 193.563



79, 45.017, 193.322

Inverse Universe

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



6, 26.470, 20.665



10, 34.354, 27.329



11, 20.488, 56.880



8, 1.340, 17.923



16, 44.585, 33.224



45, 91.649, 39.326

Previews

White Background



This preview shows how the CIELCh color 18, 16.095, 193.840 looks on a white background.

Color Contrast Check

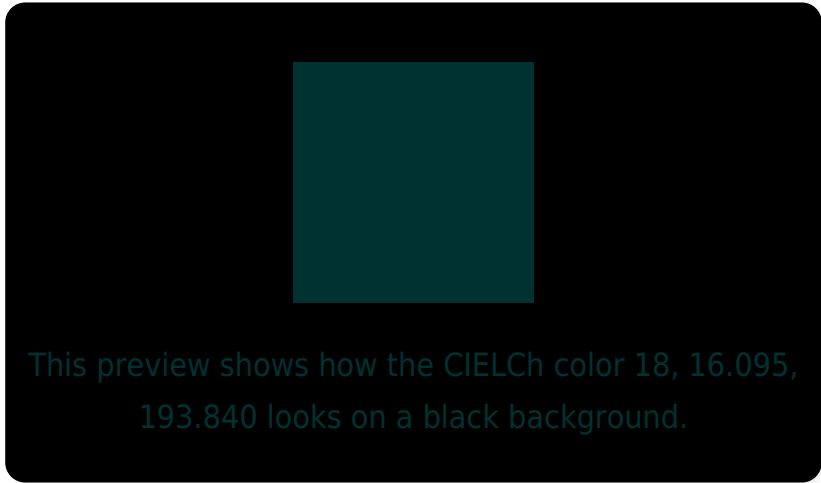
Large Text (above 18pt) WCAG AA ✓ Pass

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

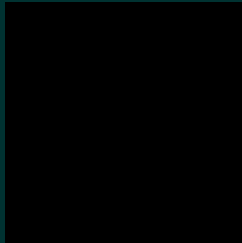
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 16.095, 193.840

Background



This preview shows how black text looks on a background with the CIELCh color 18, 16.095, 193.840.



This preview shows how white text looks on a background with the CIELCh color 18, 16.095, 193.840.

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, 16.095, 193.840

Protanopia

18, 1.466, 309.194

Deuteranopia

18, 4.925, 301.969



Tritanopia
18, 13.343, 212.202

Trichromacy



Original Color
18, 16.095, 193.840

Protanomaly
18, 7.270, 203.470

Deuteranomaly
18, 7.488, 219.976

Tritanomaly
18, 14.123, 205.324

Monochromacy



Original Color
18, 16.095, 193.840

Achromatopsia
14, 0.003, 296.813

Achromatomaly
15, 8.239, 192.631

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 16.095, 193.840 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, 50, 49)` looks like.

```
.text, #text, p{  
    color:rgb(0, 50, 49)  
}
```

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, 50, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 50, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 16.095, 193.840 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, 50, 49) }
```

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

```
.border{ border-color:rgb(0, 50, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 50, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 50, 49); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 50, 49); box-shadow:4px  
4px 4px 4px rgb(0, 50, 49) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 16.095, 193.840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 50, 49) }
```

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

```
.background{ background-color: rgb(0, 50,  
49) }
```

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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