

Converting Colors

CIELCh(19, 17.628, 170.314)

Have a look what the booklet for
CIELCh(19, 17.628, 170.314)
contains.

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Color

CIELCh(19, 18.000, 168.853)

Conversions

Conversions Part 1

Format	Color
Hex	0C3529
RGB	12, 53, 41
RGB Percent	5%, 21%, 16%
CMY	0.9546, 0.7935, 0.8405
CMYK	0.78, 0.00, 0.23, 0.79
HSL	162°, 64%, 13%
HSV	162°, 78%, 21%
XYZ	1.7970, 2.7468, 2.5027
YIQ	39.3730, -20.5840, -12.4240

Conversions

Conversions Part 2

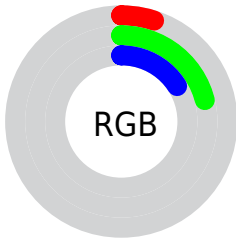
Format	Color
R_{YB}	12, 36, 53
Decimal	800041
CIE _{Lab}	19.00, -17.66, 3.48
CIE _{LCh}	19, 18.000, 168.853
Yxy	2.7468, 0.2550, 0.3898
Android (android.graphics.Color)	4278990121 (0xFF0C3529)
YUV	39.3730, 0.8021, -24.0061
Hunter-Lab	16.5735, -9.6493, 2.6484

Details

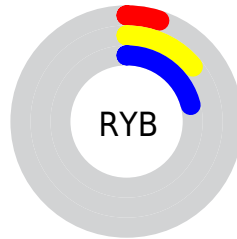
The CIELCh color **19, 18.000, 168.853** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **10, 21.882, 7.250**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 18.030, 168.761**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **19, 19.631, 167.546**, and if you desaturate by 10%, it is **19, 16.216, 170.131**.

Distribution



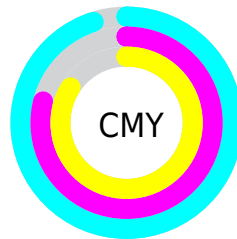
- Red (5%)
- Green (21%)
- Blue (16%)



- Red (5%)
- Yellow (14%)
- Blue (21%)



- Cyan (78%)
- Magenta (0%)
- Yellow (23%)
- Black (79%)



- Cyan (95%)
- Magenta (79%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 18.000, 168.853 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 19, 18.000, 168.853 by changing the saturation by 10% instead.

■ 19, 18.000,
168.853

■ 19, 18.000,
168.853

■ 100, 18.000,
168.853

■ 9, 18.000, 168.853

■ 39, 18.000,
168.853

■ 0, 18.000, 168.853

■ 49, 18.000,
168.853


■ 59, 18.000,
168.853


■ 69, 18.000,
168.853


■ 79, 18.000,
168.853


■ 89, 18.000,


168.853


 99, 18.000,
168.853

 19, 18.000,
168.853


 19, 18.000,
168.853


 19, 19.631,
167.546

 19, 16.216,
170.131

 19, 21.312,
166.463

 19, 14.223,
171.298

 19, 21.652,
166.274

 20, 12.046,
172.370

 20, 9.716, 173.360

 21, 7.264, 174.283

 21, 4.721, 175.154

■ 22, 2.116, 176.010

■ 22, 0.526, 356.325

■ 23, 3.183, 357.351

Harmonies

Complementary

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



19, 18.000, 168.853



10, 21.882, 7.250

Rectangle

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



19, 18.000, 168.853



19, 18.000, 218.853



19, 18.000, 348.853



19, 18.000, 38.853

Sweetspot

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



19, 18.000, 168.852



28, 7.498, 174.621



19, 29.421, 132.744



13, 5.235, 174.511



67, 0.008, 296.813



14, 0.003, 296.813

Same Dimension

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



19, 18.000, 168.852



25, 25.110, 165.912



16, 12.310, 225.553



9, 1.418, 175.997



33, 31.663, 164.224



77, 62.071, 162.274

Inverse Universe

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



10, 21.882, 7.250



12, 31.497, 13.290



11, 19.850, 37.466



8, 1.448, 357.097



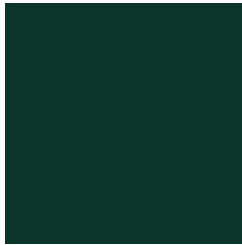
17, 40.059, 17.285



46, 78.174, 22.520

Previews

White Background



This preview shows how the CIELCh color 19, 18.000, 168.853 looks on a white background.

Color Contrast Check

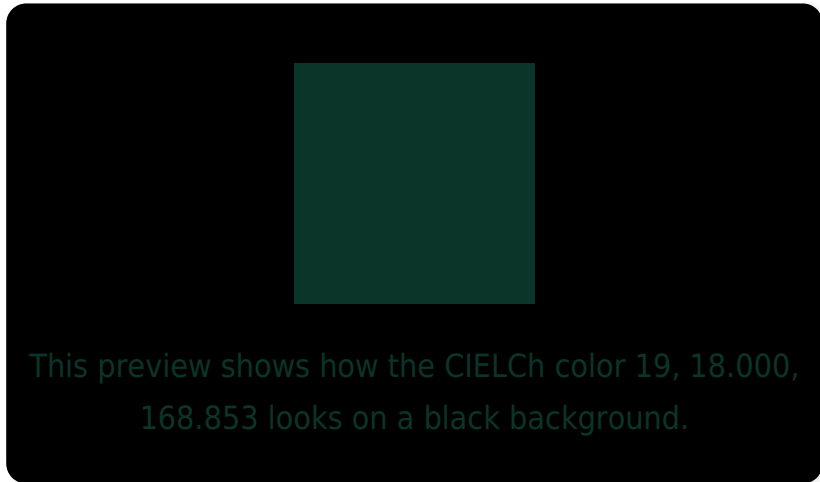
Large Text (above 18pt) WCAG AA ✓ Pass

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

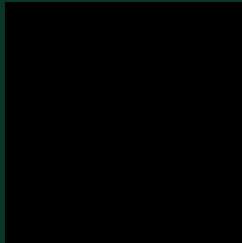
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 18.000, 168.853

Background



This preview shows how black text looks on a background with the CIELCh color 19, 18.000, 168.853.



This preview shows how white text looks on a background with the CIELCh color 19, 18.000, 168.853.

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

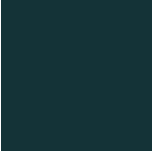
19, 18.000, 168.853

Protanopia

19, 5.658, 93.399

Deuteranopia

19, 4.018, 50.489



Tritanopia
19, 11.695, 211.029

Trichromacy



Original Color
19, 18.000, 168.853

Protanomaly
18, 8.759, 152.885

Deuteranomaly
19, 6.630, 159.699

Tritanomaly
19, 13.333, 190.928

Monochromacy



Original Color
19, 18.000, 168.853

Achromatopsia
16, 0.003, 296.813

Achromatomaly
17, 7.420, 175.650

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 18.000, 168.853 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(12, 53, 41)` looks like.

```
.text, #text, p{  
    color:rgb(12, 53, 41)  
}
```

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(12, 53, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 53, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 18.000, 168.853 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(12, 53, 41) }
```

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

```
.border{ border-color:rgb(12, 53, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 53, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 53, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 53, 41);  
box-shadow:4px 4px 4px 4px rgb(12, 53, 41)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 18.000, 168.853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 53, 41) }
```

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

```
.background{ background-color: rgb(12, 53,  
41) }
```

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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