

Converting Colors

CIELCh(18, 18.589, 171.210)

Have a look what the booklet for
CIELCh(18, 18.589, 171.210)
contains.

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Color

CIELCh(18, 18.918, 169.812)

Conversions

Conversions Part 1

Format	Color
Hex	053327
RGB	5, 51, 39
RGB Percent	2%, 20%, 15%
CMY	0.9816, 0.8011, 0.8481
CMYK	0.91, 0.00, 0.24, 0.80
HSL	164°, 83%, 11%
HSV	164°, 91%, 20%
XYZ	1.5921, 2.5180, 2.2985
YIQ	35.8780, -23.5640, -13.4840

Conversions

Conversions Part 2

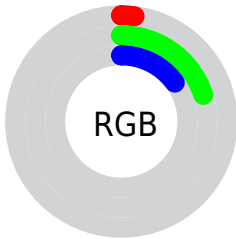
Format	Color
R_{YB}	5, 31, 51
Decimal	340775
CIE Lab	18.00, -18.62, 3.35
CIE LCh	18, 18.918, 169.812
Yxy	2.5180, 0.2484, 0.3929
Android (android.graphics.Color)	4278530855 (0xFF053327)
YUV	35.8780, 1.5391, -27.0800
Hunter-Lab	15.8683, -9.8605, 2.5198

Details

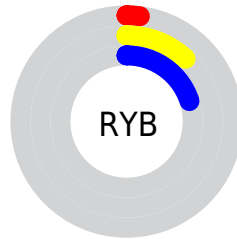
The CIELCh color **18, 18.918, 169.812** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **8, 24.262, 10.614**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 18.940, 169.950**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 20.395, 168.919**, and if you desaturate by 10%, it is **18, 17.384, 170.978**.

Distribution



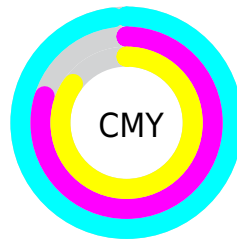
- Red (2%)
- Green (20%)
- Blue (15%)



- Red (2%)
- Yellow (12%)
- Blue (20%)



- Cyan (91%)
- Magenta (0%)
- Yellow (24%)
- Black (80%)





- Cyan (98%)
- Magenta (80%)
- Yellow (85%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 18, 18.918, 169.812 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, 18.918, 169.812 by changing the saturation by 10% instead.

 18, 18.918,
169.812


 18, 18.918,
169.812


 100, 18.918,
169.812


 8, 18.918, 169.812


 38, 18.918,
169.812

 0, 18.918, 169.812

 48, 18.918,
169.812


 58, 18.918,
169.812


 68, 18.918,
169.812


 78, 18.918,
169.812


 88, 18.918,


169.812


 98, 18.918,
169.812


 18, 18.918,
169.812


 18, 18.918,
169.812

 18, 20.395,
168.919

 18, 17.384,
170.978

 18, 15.785,
172.226

 19, 13.977,
173.368

 19, 11.982,
174.421

 19, 9.827, 175.397

■ 20, 7.541, 176.309

■ 20, 5.154, 177.173

■ 21, 2.694, 178.011

■ 21, 0.185, 179.724

Harmonies

Complementary

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



18, 18.918, 169.812



8, 24.262, 10.614

Rectangle

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



18, 18.918, 169.812



18, 18.918, 219.812



18, 18.918, 349.812



18, 18.918, 39.812

Sweetspot

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



18, 18.918, 169.811



26, 8.320, 176.511



18, 32.025, 134.096



12, 5.482, 176.489



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, 18.918, 169.811



24, 24.604, 167.798



14, 13.125, 233.430



9, 1.394, 178.227



33, 30.506, 166.791



77, 59.625, 164.918

Inverse Universe

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



8, 24.262, 10.614



11, 32.570, 16.104



9, 21.232, 36.647



8, 1.427, 359.319



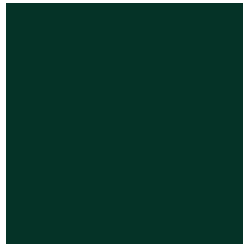
16, 40.534, 19.990



46, 79.550, 25.252

Previews

White Background



This preview shows how the CIE LCh color 18, 18.918, 169.812 looks on a white background.

Color Contrast Check

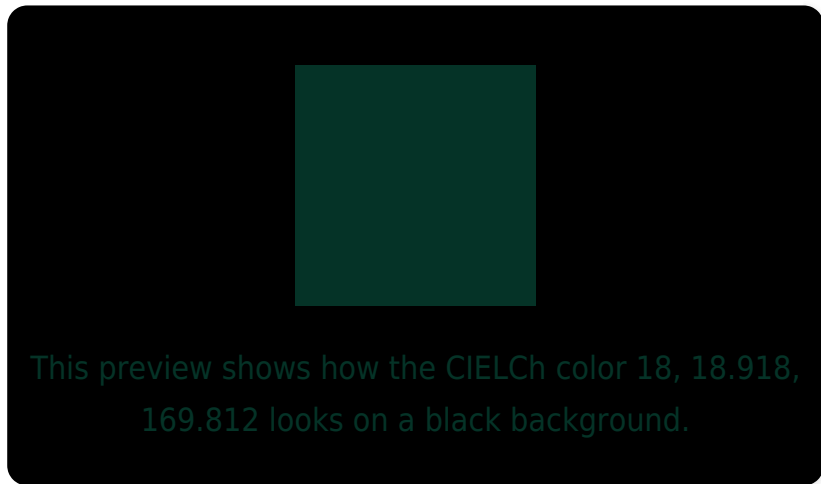
Large Text (above 18pt) WCAG AA ✓ Pass

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

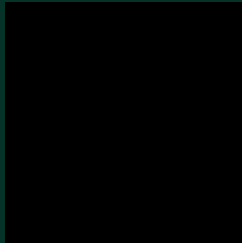
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 18.918, 169.812

Background



This preview shows how black text looks on a background with the CIELCh color 18, 18.918, 169.812.



This preview shows how white text looks on a background with the CIELCh color 18, 18.918, 169.812.

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, 18.918, 169.812

Protanopia

18, 5.697, 93.322

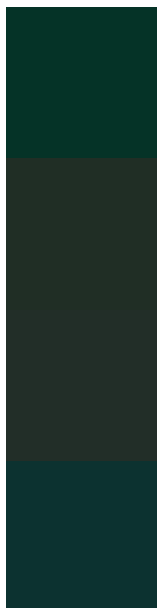
Deuteranopia

18, 4.051, 50.461



Tritanopia
18, 12.127, 210.501

Trichromacy



Original Color
18, 18.918, 169.812

Protanomaly
17, 9.141, 154.675

Deuteranomaly
18, 7.028, 161.778

Tritanomaly
18, 13.954, 190.974

Monochromacy



Original Color
18, 18.918, 169.812

Achromatopsia
14, 0.003, 296.813

Achromatomaly
15, 7.858, 176.506

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 18.918, 169.812 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(5, 51, 39)` looks like.

```
.text, #text, p{  
    color:rgb(5, 51, 39)  
}
```

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(5, 51, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 51, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 18.918, 169.812 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(5, 51, 39) }
```

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

```
.border{ border-color:rgb(5, 51, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 51, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 51, 39); -webkit-box-shadow:4px  
4px 4px 4px rgb(5, 51, 39); box-shadow:4px  
4px 4px 4px rgb(5, 51, 39) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 18.918, 169.812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 51, 39) }
```

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

```
.background{ background-color: rgb(5, 51,  
39) }
```

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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