

Converting Colors

CIELCh(17, 35.605, 189.334)

Have a look what the booklet for
CIELCh(17, 35.605, 189.334)
contains.

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Color

CIELCh(19, 17.429, 187.023)

Conversions

Conversions Part 1

Format	Color
Hex	003531
RGB	0, 53, 49
RGB Percent	0%, 21%, 19%
CMY	1.0000, 0.7929, 0.8086
CMYK	1.00, 0.00, 0.08, 0.79
HSL	175°, 100%, 10%
HSV	175°, 100%, 21%
XYZ	1.8117, 2.7468, 3.3190
YIQ	36.6970, -30.3040, -12.4800

Conversions

Conversions Part 2

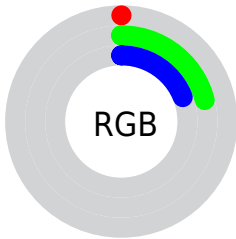
Format	Color
RYB	0, 28, 53
Decimal	13617
CIELab	19.00, -17.30, -2.13
CIELCh	19, 17.429, 187.023
Yxy	2.7468, 0.2300, 0.3487
Android (android.graphics.Color)	4278203697 (0xFF003531)
YUV	36.6970, 6.0654, -32.1833
Hunter-Lab	16.5735, -9.4909, -0.2719

Details

The CIELCh color **19, 17.429, 187.023** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **7, 27.850, 19.325**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 17.539, 187.108**, and **0, 0.403, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **19, 17.390, 187.009**, and if you desaturate by 10%, it is **19, 16.279, 187.574**.

Distribution



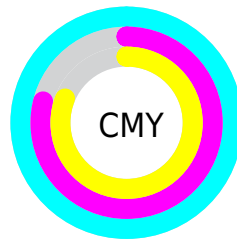
- Red (0%)
- Green (21%)
- Blue (19%)



- Red (0%)
- Yellow (11%)
- Blue (21%)



- Cyan (100%)
- Magenta (0%)
- Yellow (8%)
- Black (79%)



- Cyan (100%)
- Magenta (79%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 17.429, 187.023 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, 17.429, 187.023 by changing the saturation by 10% instead.

■ 19, 17.429,
187.023

■ 19, 17.429,
187.023

■ 100, 17.429,
187.023

■ 9, 17.429, 187.023

■ 39, 17.429,
187.023

■ 0, 17.429, 187.023

■ 49, 17.429,
187.023


■ 59, 17.429,
187.023


■ 69, 17.429,
187.023


■ 79, 17.429,
187.023


■ 89, 17.429,


187.023


 99, 17.429,
187.023


 19, 17.429,
187.023

 19, 17.429,
187.023


 19, 17.390,
187.009

 19, 16.279,
187.574

 19, 15.208,
188.207

 20, 14.003,
188.856

 20, 12.553,
189.487

 20, 10.876,
190.108

■ 20, 8.996, 190.724

■ 21, 6.939, 191.340

■ 21, 4.736, 191.962

■ 22, 2.413, 192.615

Harmonies

Complementary

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



19, 17.429, 187.023



7, 27.850, 19.325

Rectangle

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



19, 17.429, 187.023



19, 17.429, 237.023



19, 17.429, 7.023



19, 17.429, 57.023

Sweetspot

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



19, 17.390, 187.009



28, 8.633, 191.244



18, 37.079, 137.042



13, 5.931, 191.172



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, 17.390, 187.009



26, 20.727, 186.555



11, 17.673, 265.522



9, 1.298, 192.746



34, 24.786, 186.184



78, 47.459, 185.358

Inverse Universe

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



7, 27.850, 19.325



11, 34.979, 25.947



11, 22.066, 52.051



8, 1.347, 13.479



16, 43.673, 30.973



45, 89.399, 37.414

Previews

White Background



This preview shows how the CIELCh color 19, 17.429, 187.023 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



This preview shows how the CIELCh color 19, 17.429, 187.023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

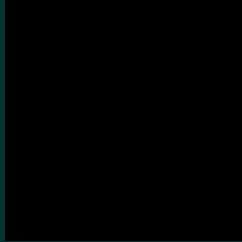
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 17.429, 187.023

Background



This preview shows how black text looks on a background with the CIELCh color 19, 17.429, 187.023.



This preview shows how white text looks on a background with the CIELCh color 19, 17.429, 187.023.

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, 17.429, 187.023

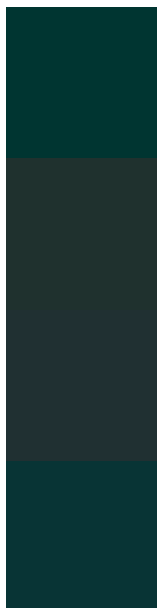
Protanopia
19, 1.438, 90.430

Deuteranopia
19, 4.159, 324.874



Tritanopia
19, 13.518, 208.836

Trichromacy



Original Color
19, 17.429, 187.023

Protanomaly
19, 8.188, 183.117

Deuteranomaly
19, 6.894, 209.707

Tritanomaly
19, 14.659, 199.411

Monochromacy



Original Color
19, 17.429, 187.023

Achromatopsia
15, 0.003, 296.813

Achromatomaly
16, 8.408, 187.919

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 17.429, 187.023 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, 53, 49)` looks like.

```
.text, #text, p{  
    color:rgb(0, 53, 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, 53, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 53, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 17.429, 187.023 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, 53, 49) }
```

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

```
.border{ border-color:rgb(0, 53, 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, 53, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 53, 49); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 53, 49); box-shadow:4px  
4px 4px 4px rgb(0, 53, 49) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 17.429, 187.023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 53, 49) }
```

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

```
.background{ background-color: rgb(0, 53,  
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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