

Converting Colors

CIELCh(19, 16.886, 189.771)

Have a look what the booklet for
CIELCh(19, 16.886, 189.771)
contains.

CIELCh(19, 16.968, 189.224)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(19, 16.968, 189.224)

Conversions

Conversions Part 1

Format	Color
Hex	013532
RGB	1, 53, 50
RGB Percent	0%, 21%, 20%
CMY	0.9975, 0.7935, 0.8052
CMYK	0.99, 0.00, 0.06, 0.79
HSL	177°, 98%, 10%
HSV	177°, 99%, 21%
XYZ	1.8342, 2.7468, 3.4137
YIQ	37.1100, -30.0290, -11.9570

Conversions

Conversions Part 2

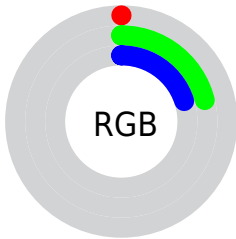
Format	Color
R_{YB}	1, 28, 53
Decimal	79154
CIE Lab	19.00, -16.75, -2.72
CIE LCh	19, 16.968, 189.224
Yxy	2.7468, 0.2294, 0.3436
Android (android.graphics.Color)	4278269234 (0xFF013532)
YUV	37.1100, 6.3548, -31.6685
Hunter-Lab	16.5735, -9.2491, -0.6108

Details

The CIELCh color **19, 16.968, 189.224** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **7, 27.535, 20.144**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 17.059, 188.983**, and **0, 1.210, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **19, 17.100, 189.167**, and if you desaturate by 10%, it is **19, 15.901, 189.711**.

Distribution



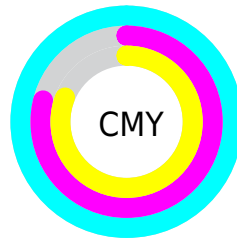
- Red (0%)
- Green (21%)
- Blue (20%)



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



- Cyan (99%)
- Magenta (0%)
- Yellow (6%)
- Black (79%)





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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 16.968, 189.224 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, 16.968, 189.224 by changing the saturation by 10% instead.

 19, 16.968,
189.224


 19, 16.968,
189.224

 100, 16.968,
189.224


 9, 16.968, 189.224


 39, 16.968,
189.224

 0, 16.968, 189.224

 49, 16.968,
189.224


 59, 16.968,
189.224


 69, 16.968,
189.224


 79, 16.968,
189.224


 89, 16.968,


189.224


 99, 16.968,
189.224


 19, 16.968,
189.224


 19, 16.968,
189.224


 19, 17.100,
189.167

 19, 15.901,
189.711

 19, 14.865,
190.249

 19, 13.665,
190.799

 20, 12.221,
191.346

 20, 10.551,
191.895

■ 20, 8.677, 192.450

■ 21, 6.627, 193.016

■ 21, 4.429, 193.597

■ 22, 2.112, 194.223

Harmonies

Complementary

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



19, 16.968, 189.224



7, 27.535, 20.144

Rectangle

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



19, 16.968, 189.224



19, 16.968, 239.224



19, 16.968, 9.224



19, 16.968, 59.224

Sweetspot

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



19, 16.968, 189.223



28, 8.581, 192.858



18, 36.812, 137.362



13, 5.894, 192.791



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, 16.968, 189.223



26, 20.397, 188.807



11, 17.909, 267.464



9, 1.294, 194.266



34, 24.372, 188.516



78, 46.580, 187.867

Inverse Universe

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



7, 27.535, 20.144



11, 35.145, 26.691



12, 21.698, 53.969



8, 1.344, 14.927



16, 43.963, 31.718



45, 90.189, 38.108

Previews

White Background



This preview shows how the CIELCh color 19, 16.968, 189.224 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, 16.968, 189.224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

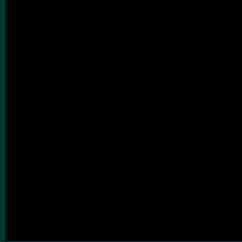
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 16.968, 189.224

Background



This preview shows how black text looks on a background with the CIELCh color 19, 16.968, 189.224.



This preview shows how white text looks on a background with the CIELCh color 19, 16.968, 189.224.

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, 16.968, 189.224

Protanopia

19, 0.824, 74.840

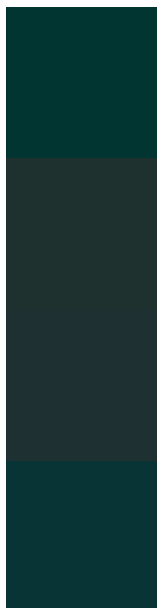
Deuteranopia

19, 4.530, 315.063



Tritanopia
19, 13.706, 208.642

Trichromacy



Original Color
19, 16.968, 189.224

Protanomaly
19, 7.963, 187.828

Deuteranomaly
19, 7.338, 214.543

Tritanomaly
19, 14.537, 202.226

Monochromacy



Original Color
19, 16.968, 189.224

Achromatopsia
15, 0.003, 296.813

Achromatomaly
16, 8.223, 192.713

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 16.968, 189.224 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, 53, 50)` looks like.

```
.text, #text, p{  
    color:rgb(1, 53, 50)  
}
```

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, 53, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 53, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 16.968, 189.224 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, 53, 50) }
```

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

```
.border{ border-color:rgb(1, 53, 50) }
```

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

Here you see how a box with a 4 pixel rgb(1, 53, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 53, 50); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 53, 50); box-shadow:4px  
4px 4px 4px rgb(1, 53, 50) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 16.968, 189.224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 53, 50) }
```

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

```
.background{ background-color: rgb(1, 53,  
50) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor