

Converting Colors

CIELCh(19, 16.307, 161.176)

Have a look what the booklet for
CIELCh(19, 16.307, 161.176)
contains.

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Color

CIELCh(19, 16.532, 160.958)

Conversions

Conversions Part 1

Format	Color
Hex	153426
RGB	21, 52, 38
RGB Percent	8%, 20%, 15%
CMY	0.9180, 0.7964, 0.8513
CMYK	0.60, 0.00, 0.27, 0.80
HSL	153°, 43%, 14%
HSV	153°, 60%, 20%
XYZ	1.8806, 2.7468, 2.2584
YIQ	41.1350, -13.9820, -10.9260

Conversions

Conversions Part 2

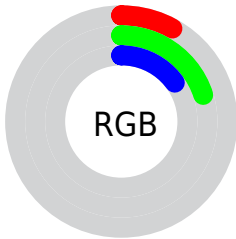
Format	Color
R_{YB}	21, 41, 52
Decimal	1389606
CIE Lab	19.00, -15.63, 5.39
CIE LCh	19, 16.532, 160.958
Yxy	2.7468, 0.2731, 0.3989
Android (android.graphics.Color)	4279579686 (0xFF153426)
YUV	41.1350, -1.5456, -17.6584
Hunter-Lab	16.5735, -8.7494, 3.5223

Details

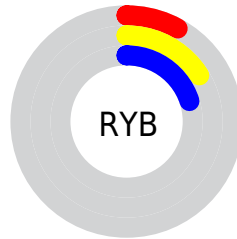
The CIELCh color **19, 16.532, 160.958** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **12, 17.772, 352.122**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 16.423, 160.845**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **19, 18.913, 159.707**, and if you desaturate by 10%, it is **19, 13.985, 162.087**.

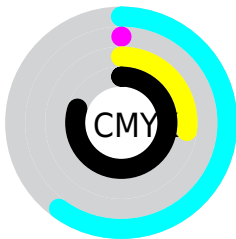
Distribution



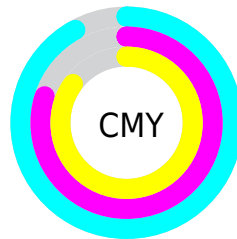
- Red (8%)
- Green (20%)
- Blue (15%)



- Red (8%)
- Yellow (16%)
- Blue (20%)



- Cyan (60%)
- Magenta (0%)
- Yellow (27%)
- Black (80%)





- Cyan (92%)
- Magenta (80%)
- Yellow (85%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 16.532, 160.958 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, 16.532, 160.958 by changing the saturation by 10% instead.

 19, 16.532,
160.958


 19, 16.532,
160.958


 100, 16.532,
160.958


 9, 16.532, 160.958


 39, 16.532,
160.958

 0, 16.532, 160.958

 49, 16.532,
160.958


 59, 16.532,
160.958


 69, 16.532,
160.958


 79, 16.532,
160.958


 89, 16.532,


160.958


 99, 16.532,
160.958


 19, 16.532,
160.958


 19, 16.532,
160.958

 19, 18.913,
159.707


 19, 13.985,
162.087

 18, 21.097,
158.321

 20, 11.305,
163.110


 18, 23.177,
156.981

 20, 8.527, 164.042

 18, 25.313,
155.930

 21, 5.683, 164.899

 21, 2.803, 165.709

 18, 25.376,
155.903

 22, 0.087, 344.464

■ 22, 2.966, 346.985

■ 23, 5.817, 347.639

■ 24, 8.627, 348.237

Harmonies

Complementary

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



19, 16.532, 160.958



12, 17.772, 352.122

Rectangle

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



19, 16.532, 160.958



19, 16.532, 210.958



19, 16.532, 340.958



19, 16.532, 30.958

Sweetspot

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



19, 16.532, 160.957



27, 6.373, 164.969



20, 21.969, 127.922



12, 4.331, 164.906



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



19, 16.532, 160.957



24, 23.652, 158.924



19, 11.517, 200.803



9, 1.571, 165.832



33, 37.942, 153.559



77, 75.187, 151.455

Inverse Universe

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



12, 17.772, 352.122



14, 25.548, 354.646



12, 16.750, 27.109



8, 1.590, 346.876



17, 39.343, 2.955



46, 74.680, 7.227

Previews

White Background



This preview shows how the CIELCh color 19, 16.532, 160.958 looks on a white background.

Color Contrast Check

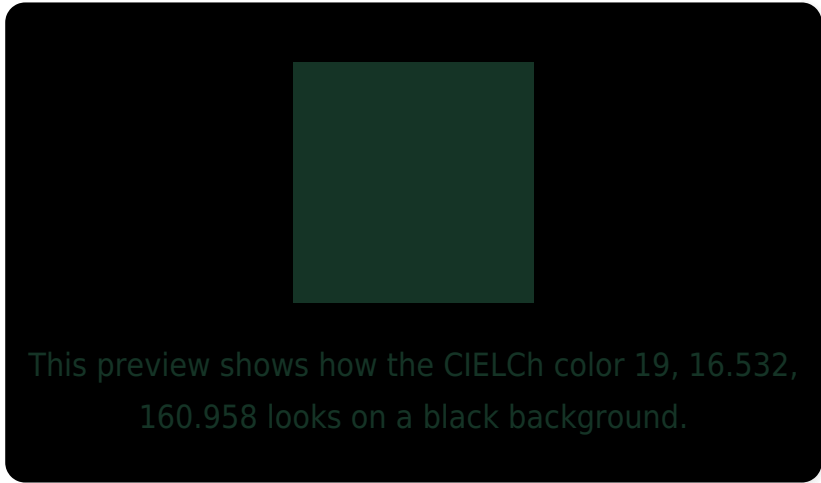
Large Text (above 18pt) WCAG AA ✓ Pass

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

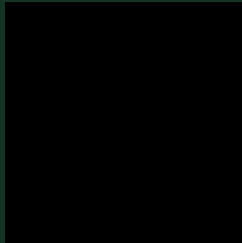
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 16.532, 160.958

Background



This preview shows how black text looks on a background with the CIELCh color 19, 16.532, 160.958.



This preview shows how white text looks on a background with the CIELCh color 19, 16.532, 160.958.

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](#).

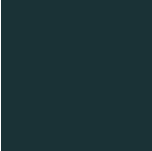
Dichromacy



Original Color
19, 16.532, 160.958

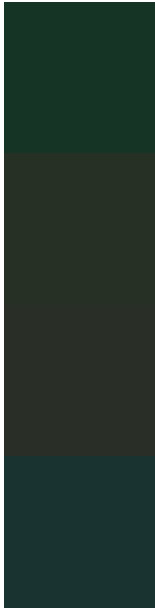
Protanopia
19, 7.647, 96.751

Deuteranopia
19, 5.291, 51.124



Tritanopia
19, 9.726, 214.225

Trichromacy



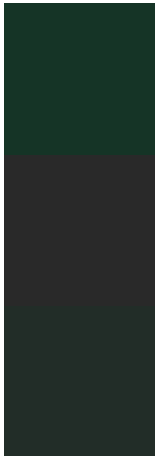
Original Color
19, 16.532, 160.958

Protanomaly
19, 9.314, 136.322

Deuteranomaly
19, 6.219, 136.669

Tritanomaly
19, 11.288, 186.646

Monochromacy



Original Color
19, 16.532, 160.958

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 6.251, 164.394

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 16.532, 160.958 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(21, 52, 38)` looks like.

```
.text, #text, p{  
    color:rgb(21, 52, 38)  
}
```

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(21, 52, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 52, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 16.532, 160.958 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(21, 52, 38) }
```

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

```
.border{ border-color:rgb(21, 52, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 52, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 52, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 52, 38);  
box-shadow:4px 4px 4px 4px rgb(21, 52, 38)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 16.532, 160.958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 52, 38) }
```

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

```
.background{ background-color: rgb(21, 52,  
38) }
```

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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