

Converting Colors

CIELCh(19, 10.711, 179.529)

Have a look what the booklet for
CIELCh(19, 10.711, 179.529)
contains.

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Color

CIELCh(19, 10.233, 181.734)

Conversions

Conversions Part 1

Format	Color
Hex	1B322E
RGB	27, 50, 46
RGB Percent	11%, 20%, 18%
CMY	0.8928, 0.8026, 0.8183
CMYK	0.46, 0.00, 0.08, 0.80
HSL	170°, 30%, 15%
HSV	170°, 46%, 20%
XYZ	2.1149, 2.7468, 3.0371
YIQ	42.6670, -12.4240, -6.1200

Conversions

Conversions Part 2

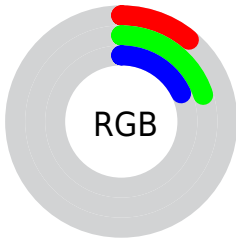
Format	Color
RYB	27, 40, 50
Decimal	1782318
CIELab	19.00, -10.23, -0.31
CIELCh	19, 10.233, 181.734
Yxy	2.7468, 0.2678, 0.3477
Android (android.graphics.Color)	4279972398 (0xFF1B322E)
YUV	42.6670, 1.6432, -13.7400
Hunter-Lab	16.5735, -6.2254, 0.7366

Details

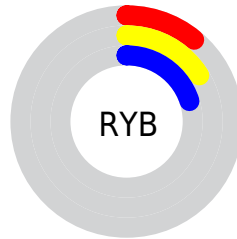
The CIELCh color **19, 10.233, 181.734** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **13, 12.198, 9.833**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 9.942, 183.802**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **19, 12.115, 180.851**, and if you desaturate by 10%, it is **19, 8.190, 182.567**.

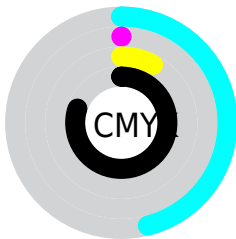
Distribution



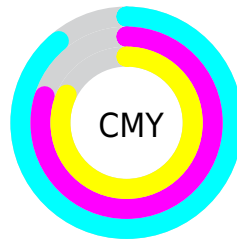
- Red (11%)
- Green (20%)
- Blue (18%)



- Red (11%)
- Yellow (16%)
- Blue (20%)



- Cyan (46%)
- Magenta (0%)
- Yellow (8%)
- Black (80%)



- Cyan (89%)
- Magenta (80%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 10.233, 181.734 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, 10.233, 181.734 by changing the saturation by 10% instead.

■ 19, 10.233,
181.734

■ 19, 10.233,
181.734

■ 100, 10.233,
181.734

■ 9, 10.233, 181.734

■ 39, 10.233,
181.734

■ 0, 10.233, 181.734

■ 49, 10.233,
181.734


■ 59, 10.233,
181.734


■ 69, 10.233,
181.734


■ 79, 10.233,
181.734


■ 89, 10.233,

181.734


 99, 10.233,
181.734

 19, 10.233,
181.734


 19, 10.233,
181.734

 19, 12.115,
180.851


 19, 8.190, 182.567

 18, 13.810,
179.915


 20, 6.014, 183.369

 18, 15.294,
178.911

 20, 3.732, 184.149

 18, 16.596,
177.867

 21, 1.043, 5.352

 18, 17.928,
176.964

 22, 3.491, 6.176

 22, 5.957, 6.872

■ 18, 18.516,
176.620

■ 23, 8.424, 7.538

■ 24, 10.883, 8.183

Harmonies

Complementary

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



19, 10.233, 181.734



13, 12.198, 9.833

Rectangle

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



19, 10.233, 181.734



19, 10.233, 231.734



19, 10.233, 1.734



19, 10.233, 51.734

Sweetspot

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



19, 10.233, 181.732



27, 4.196, 184.222



19, 18.031, 137.151



12, 2.832, 184.183



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, 10.233, 181.732



25, 14.960, 180.638



17, 8.004, 238.145



9, 1.339, 184.746



33, 27.550, 174.882



78, 53.346, 173.347

Inverse Universe

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



13, 12.198, 9.833



17, 18.788, 11.825



15, 10.073, 51.185



8, 1.379, 5.755



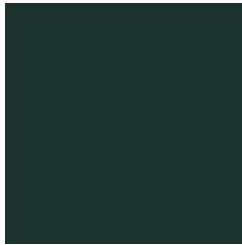
16, 42.093, 26.306



45, 84.103, 31.924

Previews

White Background



This preview shows how the CIELCh color 19, 10.233, 181.734 looks on a white background.

Color Contrast Check

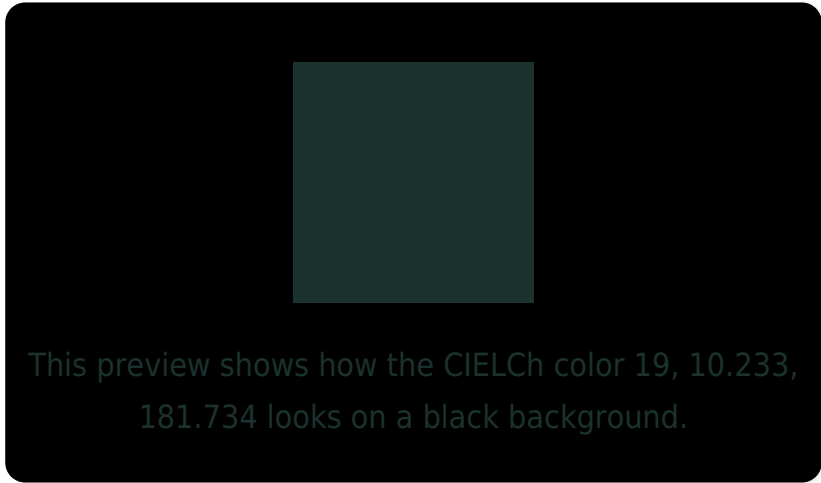
Large Text (above 18pt) WCAG AA ✓ Pass

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

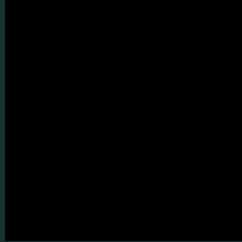
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 10.233, 181.734

Background



This preview shows how black text looks on a background with the CIELCh color 19, 10.233, 181.734.



This preview shows how white text looks on a background with the CIELCh color 19, 10.233, 181.734.

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

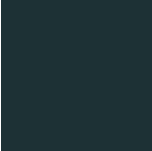
19, 10.233, 181.734

Protanopia

19, 1.443, 90.420

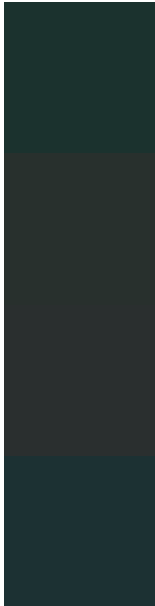
Deuteranopia

19, 3.138, 339.214



Tritanopia
19, 8.467, 217.021

Trichromacy



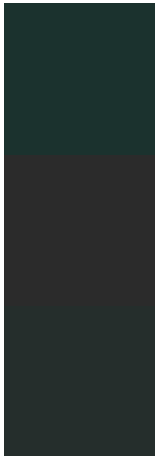
Original Color
19, 10.233, 181.734

Protanomaly
19, 4.267, 169.752

Deuteranomaly
19, 2.300, 199.017

Tritanomaly
19, 8.672, 206.973

Monochromacy



Original Color
19, 10.233, 181.734

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 4.390, 180.145

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 10.233, 181.734 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(27, 50, 46)` looks like.

```
.text, #text, p{  
    color:rgb(27, 50, 46)  
}
```

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(27, 50, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 50, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 10.233, 181.734 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(27, 50, 46) }
```

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

```
.border{ border-color:rgb(27, 50, 46) }
```

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

Here you see how a box with a 4 pixel rgb(27, 50, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 50, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 50, 46);  
box-shadow:4px 4px 4px 4px rgb(27, 50, 46)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 10.233, 181.734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 50, 46) }
```

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

```
.background{ background-color: rgb(27, 50,  
46) }
```

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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