

Converting Colors

CIELCh(18, 13.669, 160.859)

Have a look what the booklet for
CIELCh(18, 13.669, 160.859)
contains.

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Color

CIELCh(18, 13.985, 160.458)

Conversions

Conversions Part 1

Format	Color
Hex	183125
RGB	24, 49, 37
RGB Percent	9%, 19%, 15%
CMY	0.9061, 0.8081, 0.8551
CMYK	0.51, 0.00, 0.25, 0.81
HSL	151°, 34%, 14%
HSV	151°, 51%, 19%
XYZ	1.8040, 2.5180, 2.1363
YIQ	40.1570, -11.0480, -9.0320

Conversions

Conversions Part 2

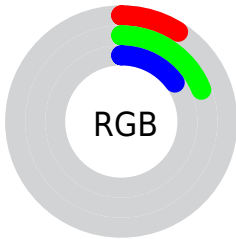
Format	Color
RYB	24, 40, 49
Decimal	1585445
CIELab	18.00, -13.18, 4.68
CIELCh	18, 13.985, 160.458
Yxy	2.5180, 0.2793, 0.3899
Android (android.graphics.Color)	4279775525 (0xFF183125)
YUV	40.1570, -1.5564, -14.1697
Hunter-Lab	15.8683, -7.4772, 3.1257

Details

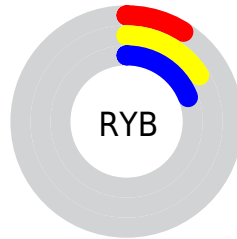
The CIELCh color **18, 13.985, 160.458** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **12, 14.778, 349.148**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 13.486, 161.357**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 16.473, 159.339**, and if you desaturate by 10%, it is **18, 11.373, 161.469**.

Distribution



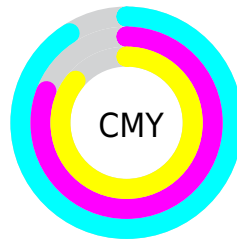
- Red (9%)
- Green (19%)
- Blue (15%)



- Red (9%)
- Yellow (16%)
- Blue (19%)



- Cyan (51%)
- Magenta (0%)
- Yellow (25%)
- Black (81%)



- Cyan (91%)
- Magenta (81%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 13.985, 160.458 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, 13.985, 160.458 by changing the saturation by 10% instead.

■ 18, 13.985,
160.458

■ 18, 13.985,
160.458

■ 100, 13.985,
160.458

■ 8, 13.985, 160.458

■ 38, 13.985,
160.458

■ 0, 13.985, 160.458

■ 48, 13.985,
160.458

■ 58, 13.985,
160.458


■ 68, 13.985,
160.458

■ 78, 13.985,
160.458


■ 88, 13.985,


160.458


 98, 13.985,
160.458

 18, 13.985,
160.458


 18, 13.985,
160.458

 18, 16.473,
159.339


 18, 11.373,
161.469

 17, 18.805,
158.099


 19, 8.668, 162.388

 17, 20.953,
156.730

 19, 5.903, 163.230

 17, 23.068,
155.525

 20, 3.106, 164.018

 17, 25.002,
154.691

 21, 2.493, 345.262

■ 21, 5.258, 345.902

■ 22, 7.983, 346.482

■ 23, 10.658,
347.022

Harmonies

Complementary

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



18, 13.985, 160.458



12, 14.778, 349.148

Rectangle

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



18, 13.985, 160.458



18, 13.985, 210.458



18, 13.985, 340.458



18, 13.985, 30.458

Sweetspot

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



18, 13.985, 160.457



26, 5.250, 163.649



19, 17.952, 127.678



12, 3.620, 163.613



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, 13.985, 160.457



24, 20.426, 158.950



18, 9.937, 199.136



9, 1.602, 164.236



33, 39.086, 152.014



76, 77.544, 149.911

Inverse Universe

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



12, 14.778, 349.148



15, 21.748, 350.811



12, 13.492, 24.805



8, 1.620, 345.258



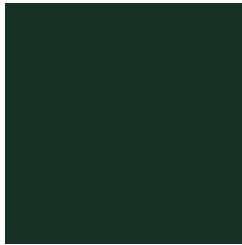
17, 39.519, 0.446



47, 74.739, 4.444

Previews

White Background



This preview shows how the CIELCh color 18, 13.985, 160.458 looks on a white background.

Color Contrast Check

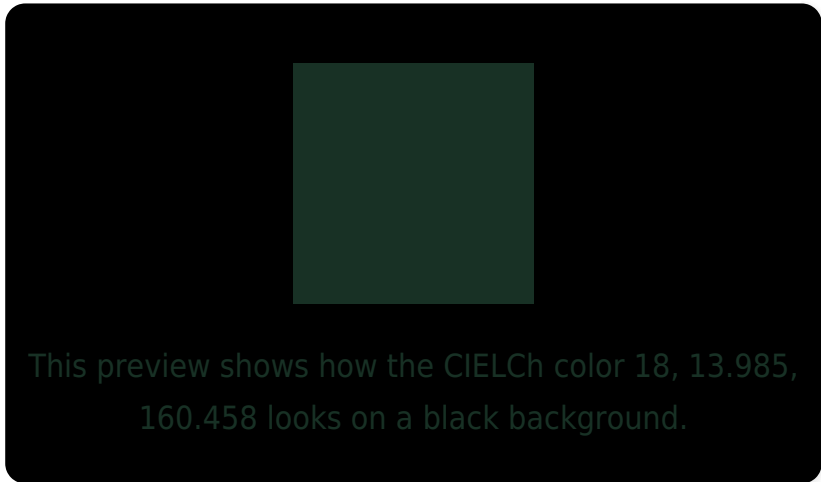
Large Text (above 18pt) WCAG AA ✓ Pass

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

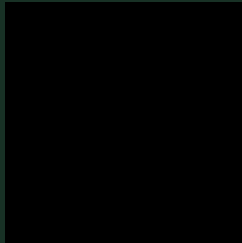
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 13.985, 160.458

Background



This preview shows how black text looks on a background with the CIELCh color 18, 13.985, 160.458.



This preview shows how white text looks on a background with the CIELCh color 18, 13.985, 160.458.

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, 13.985, 160.458

Protanopia

18, 6.362, 94.706

Deuteranopia

18, 4.900, 54.129



Tritanopia
18, 8.148, 217.958

Trichromacy



Original Color
18, 13.985, 160.458

Protanomaly
18, 7.693, 134.942

Deuteranomaly
18, 5.209, 130.990

Tritanomaly
18, 9.076, 188.770

Monochromacy



Original Color
18, 13.985, 160.458

Achromatopsia
16, 0.003, 296.813

Achromatomaly
17, 5.119, 165.271

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 13.985, 160.458 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(24, 49, 37)` looks like.

```
.text, #text, p{  
    color:rgb(24, 49, 37)  
}
```

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(24, 49, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 49, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 13.985, 160.458 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(24, 49, 37) }
```

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

```
.border{ border-color:rgb(24, 49, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 49, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 49, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 49, 37);  
box-shadow:4px 4px 4px 4px rgb(24, 49, 37)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 13.985, 160.458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 49, 37) }
```

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

```
.background{ background-color: rgb(24, 49,  
37) }
```

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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