

Converting Colors

CIELCh(18, 21.482, 156.030)

Have a look what the booklet for
CIELCh(18, 21.482, 156.030)
contains.

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Color

CIELCh(18, 21.481, 155.957)

Conversions

Conversions Part 1

Format	Color
Hex	0B331F
RGB	11, 51, 31
RGB Percent	4%, 20%, 12%
CMY	0.9578, 0.8008, 0.8791
CMYK	0.79, 0.00, 0.39, 0.80
HSL	150°, 65%, 12%
HSV	150°, 79%, 20%
XYZ	1.5551, 2.5180, 1.6879
YIQ	36.7600, -17.4200, -14.7000

Conversions

Conversions Part 2

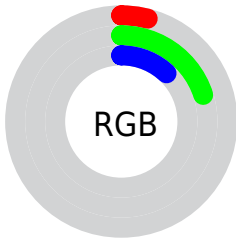
Format	Color
R_{YB}	11, 38, 51
Decimal	733983
CIE _{Lab}	18.00, -19.62, 8.75
CIE _{LCh}	18, 21.481, 155.957
Yxy	2.5180, 0.2699, 0.4371
Android (android.graphics.Color)	4278924063 (0xFF0B331F)
YUV	36.7600, -2.8397, -22.5915
Hunter-Lab	15.8683, -10.2762, 4.8010

Details

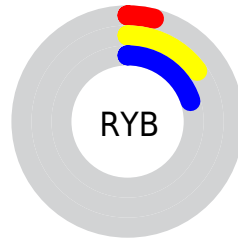
The CIELCh color **18, 21.481, 155.957** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **9, 22.606, 351.874**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 21.409, 155.704**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 23.669, 154.628**, and if you desaturate by 10%, it is **18, 19.180, 157.317**.

Distribution



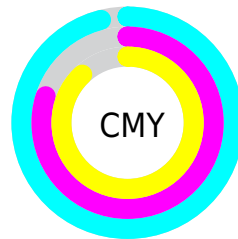
- Red (4%)
- Green (20%)
- Blue (12%)



- Red (4%)
- Yellow (15%)
- Blue (20%)



- Cyan (79%)
- Magenta (0%)
- Yellow (39%)
- Black (80%)





- Cyan (96%)
- Magenta (80%)
- Yellow (88%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 21.481, 155.957 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, 21.481, 155.957 by changing the saturation by 10% instead.

 18, 21.481,
155.957


 18, 21.481,
155.957


 100, 21.481,
155.957


 8, 21.481, 155.957


 38, 21.481,
155.957

 0, 21.481, 155.957

 48, 21.481,
155.957


 58, 21.481,
155.957


 68, 21.481,
155.957


 78, 21.481,
155.957

 88, 21.481,


155.957

 98, 21.481,
155.957


 18, 21.481,
155.957

 18, 21.481,
155.957


 18, 23.669,
154.628


 18, 19.180,
157.317

 18, 25.904,
153.600

 19, 16.691,
158.542

 18, 26.174,
153.495

 19, 14.046,
159.645

 19, 11.278,
160.640

 20, 8.424, 161.543

■ 20, 5.516, 162.369

■ 21, 2.582, 163.148

■ 21, 0.352, 343.331

■ 22, 3.266, 344.362

Harmonies

Complementary

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



18, 21.481, 155.957



9, 22.606, 351.874

Rectangle

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



18, 21.481, 155.957



18, 21.481, 205.957



18, 21.481, 335.957



18, 21.481, 25.957

Sweetspot

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



18, 21.481, 155.957



27, 8.787, 161.842



19, 27.082, 126.727



12, 5.903, 161.781



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, 21.481, 155.957



24, 30.616, 152.827



19, 14.022, 196.752



9, 1.625, 163.194



33, 39.857, 151.022



76, 79.123, 148.925

Inverse Universe

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



9, 22.606, 351.874



12, 31.420, 355.974



9, 22.054, 23.951



8, 1.641, 344.202



17, 39.688, 358.780



47, 74.894, 2.583

Previews

White Background



This preview shows how the CIELCh color 18, 21.481, 155.957 looks on a white background.

Color Contrast Check

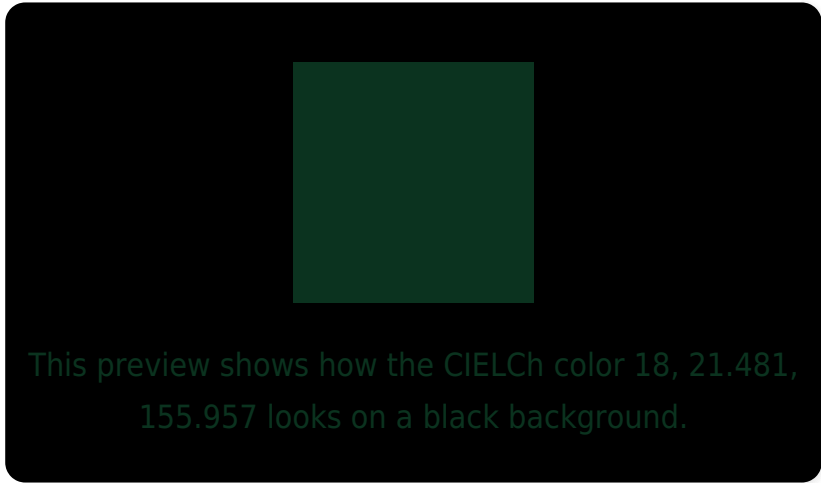
Large Text (above 18pt) WCAG AA ✓ Pass

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

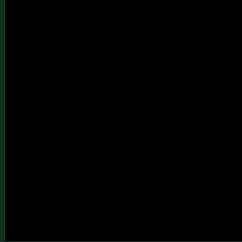
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 21.481, 155.957

Background



This preview shows how black text looks on a background with the CIELCh color 18, 21.481, 155.957.



This preview shows how white text looks on a background with the CIELCh color 18, 21.481, 155.957.

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

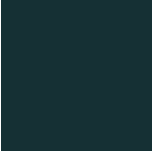
18, 21.481, 155.957

Protanopia

18, 11.129, 96.366

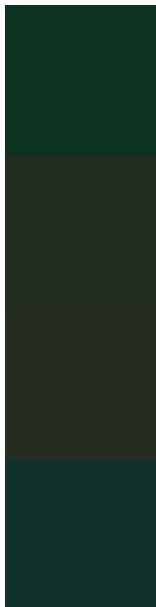
Deuteranopia

18, 8.164, 68.837



Tritanopia
18, 10.582, 212.774

Trichromacy



Original Color
18, 21.481, 155.957

Protanomaly
17, 13.100, 134.469

Deuteranomaly
17, 9.799, 131.947

Tritanomaly
18, 13.279, 181.580

Monochromacy



Original Color
18, 21.481, 155.957

Achromatopsia
15, 0.003, 296.813

Achromatomaly
16, 8.642, 162.808

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 21.481, 155.957 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(11, 51, 31)` looks like.

```
.text, #text, p{  
    color:rgb(11, 51, 31)  
}
```

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(11, 51, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 51, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 21.481, 155.957 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(11, 51, 31) }
```

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

```
.border{ border-color:rgb(11, 51, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 51, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 51, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 51, 31);  
box-shadow:4px 4px 4px 4px rgb(11, 51, 31)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 21.481, 155.957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 51, 31) }
```

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

```
.background{ background-color: rgb(11, 51,  
31) }
```

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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