

Converting Colors

CIELCh(18, 13.078, 212.494)

Have a look what the booklet for
CIELCh(18, 13.078, 212.494)
contains.

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Color

CIELCh(18, 13.167, 212.440)

Conversions

Conversions Part 1

Format	Color
Hex	0B3136
RGB	11, 49, 54
RGB Percent	4%, 19%, 21%
CMY	0.9577, 0.8085, 0.7889
CMYK	0.80, 0.09, 0.00, 0.79
HSL	187°, 67%, 13%
HSV	187°, 80%, 21%
XYZ	1.8891, 2.5180, 3.8569
YIQ	38.2080, -24.2530, -6.5010

Conversions

Conversions Part 2

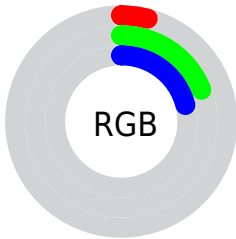
Format	Color
R_{YB}	11, 31, 54
Decimal	733494
CIE Lab	18.00, -11.11, -7.06
CIE LCh	18, 13.167, 212.440
Yxy	2.5180, 0.2286, 0.3047
Android (android.graphics.Color)	4278923574 (0xFF0B3136)
YUV	38.2080, 7.7855, -23.8614
Hunter-Lab	15.8683, -6.5190, -3.3031

Details

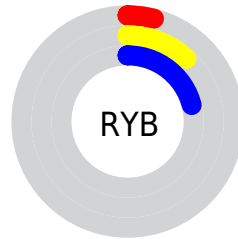
The CIELCh color **18, 13.167, 212.440** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **10, 21.918, 31.493**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 13.155, 214.334**, and **0, 3.629, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **18, 13.980, 213.301**, and if you desaturate by 10%, it is **18, 12.214, 211.655**.

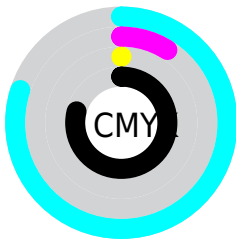
Distribution



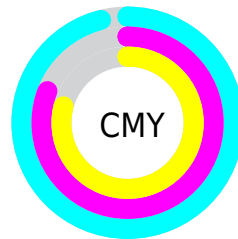
- Red (4%)
- Green (19%)
- Blue (21%)



- Red (4%)
- Yellow (12%)
- Blue (21%)



- Cyan (80%)
- Magenta (9%)
- Yellow (0%)
- Black (79%)





- Cyan (96%)
- Magenta (81%)
- Yellow (79%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 13.167, 212.440 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, 13.167, 212.440 by changing the saturation by 10% instead.

 18, 13.167,
212.440


 18, 13.167,
212.440


 100, 13.167,
212.440


 8, 13.167, 212.440


 38, 13.167,
212.440

 0, 13.167, 212.440

 48, 13.167,
212.440


 58, 13.167,
212.440


 68, 13.167,
212.440


 78, 13.167,
212.440


 88, 13.167,


212.440


 98, 13.167,
212.440


 18, 13.167,
212.440


 18, 13.167,
212.440

 18, 13.980,
213.301

 18, 12.214,
211.655

 17, 14.836,
214.011

 19, 11.021,
211.069

 17, 14.840,
214.014

 19, 9.604, 210.652

 20, 7.985, 210.379

 21, 6.188, 210.230

 21, 4.240, 210.188

■ 22, 2.166, 210.261

■ 23, 0.012, 11.018

■ 23, 2.269, 30.294

Harmonies

Complementary

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



18, 13.167, 212.440



10, 21.918, 31.493

Rectangle

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



18, 13.167, 212.440



18, 13.167, 262.440



18, 13.167, 32.440



18, 13.167, 82.440

Sweetspot

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



18, 13.167, 212.439



27, 6.180, 210.197



19, 31.192, 140.767



13, 4.275, 210.202



67, 0.008, 296.813



14, 0.003, 296.813

Same Dimension

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



18, 13.167, 212.439



23, 17.039, 214.557



10, 19.344, 280.345



10, 1.252, 210.289



31, 21.033, 215.890



72, 39.371, 217.752

Inverse Universe

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



11, 30.104, 331.734



14, 40.465, 332.671



16, 19.681, 75.443



9, 2.341, 328.146



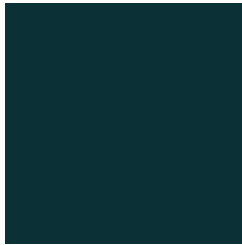
19, 50.323, 333.078



51, 94.058, 333.536

Previews

White Background



This preview shows how the CIE LCh color 18, 13.167, 212.440 looks on a white background.

Color Contrast Check

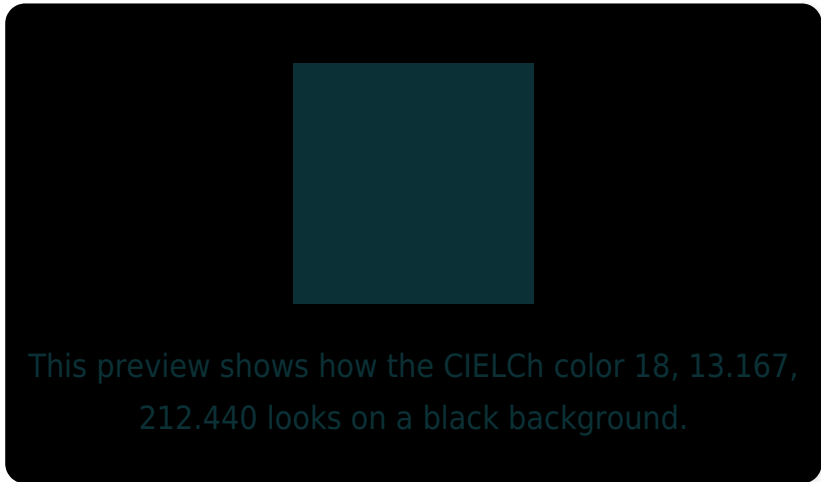
Large Text (above 18pt) WCAG AA ✓ Pass

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

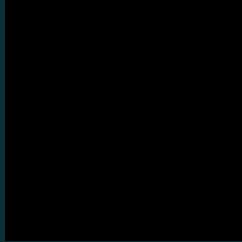
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

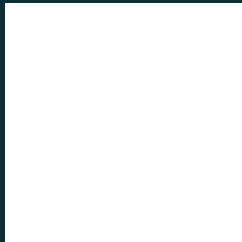
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 18, 13.167, 212.440

Background



This preview shows how black text looks on a background with the CIELCh color 18, 13.167, 212.440.



This preview shows how white text looks on a background with the CIELCh color 18, 13.167, 212.440.

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, 13.167, 212.440

Protanopia

18, 4.844, 286.093

Deuteranopia

18, 8.300, 292.243



Tritanopia
18, 13.348, 209.057

Trichromacy



Original Color
18, 13.167, 212.440

Protanomaly
18, 7.329, 233.087

Deuteranomaly
18, 8.729, 251.602

Tritanomaly
18, 13.348, 209.057

Monochromacy



Original Color
18, 13.167, 212.440

Achromatopsia
15, 0.003, 296.813

Achromatomaly
16, 6.197, 211.345

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 13.167, 212.440 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, 49, 54)` looks like.

```
.text, #text, p{  
    color:rgb(11, 49, 54)  
}
```

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, 49, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 49, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 13.167, 212.440 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, 49, 54) }
```

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

```
.border{ border-color:rgb(11, 49, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 49, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 49, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 49, 54);  
box-shadow:4px 4px 4px 4px rgb(11, 49, 54)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 13.167, 212.440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 49, 54) }
```

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

```
.background{ background-color: rgb(11, 49,  
54) }
```

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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