

Converting Colors

CIELCh(13, 18.371, 164.466)

Have a look what the booklet for
CIELCh(13, 18.371, 164.466)
contains.

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Color

CIELCh(13, 18.118, 164.417)

Conversions

Conversions Part 1

Format	Color
Hex	01271A
RGB	1, 39, 26
RGB Percent	0%, 15%, 10%
CMY	0.9949, 0.8455, 0.8966
CMYK	0.97, 0.00, 0.33, 0.85
HSL	159°, 94%, 8%
HSV	159°, 97%, 15%
XYZ	0.9459, 1.5625, 1.2513
YIQ	26.1560, -18.4750, -12.0990

Conversions

Conversions Part 2

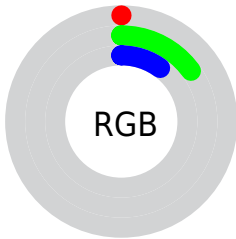
Format	Color
RYB	1, 24, 39
Decimal	75546
CIELab	13.00, -17.45, 4.87
CIELCh	13, 18.118, 164.417
Yxy	1.5625, 0.2516, 0.4156
Android (android.graphics.Color)	4278265626 (0xFF01271A)
YUV	26.1560, -0.0769, -22.0618
Hunter-Lab	12.5000, -8.3679, 2.8150

Details

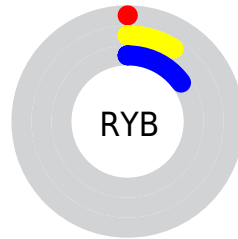
The CIELCh color **13, 18.118, 164.417** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **5, 19.209, 3.019**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 17.876, 164.940**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **13, 18.691, 164.216**, and if you desaturate by 10%, it is **13, 16.432, 165.161**.

Distribution



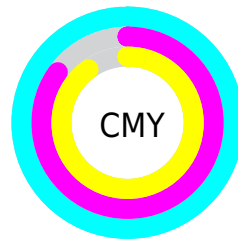
- Red (0%)
- Green (15%)
- Blue (10%)



- Red (0%)
- Yellow (9%)
- Blue (15%)



- Cyan (97%)
- Magenta (0%)
- Yellow (33%)
- Black (85%)





- Cyan (99%)
- Magenta (85%)
- Yellow (90%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 13, 18.118, 164.417 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 13, 18.118, 164.417 by changing the saturation by 10% instead.


 13, 18.118,
164.417


 13, 18.118,
164.417


 100, 18.118,
164.417


 3, 18.118, 164.417


 33, 18.118,
164.417

 0, 18.118, 164.417

 43, 18.118,
164.417


 53, 18.118,
164.417


 63, 18.118,
164.417


 73, 18.118,
164.417


 83, 18.118,


164.417


 93, 18.118,
164.417


 13, 18.118,
164.417


 13, 18.118,
164.417

 13, 18.691,
164.216

 13, 16.432,
165.161

 13, 14.819,
166.151

 14, 13.209,
167.314

 14, 11.466,
168.386

 14, 9.605, 169.374

■ 14, 7.649, 170.288

■ 15, 5.620, 171.141

■ 15, 3.539, 171.947

■ 16, 1.425, 172.753

Harmonies

Complementary

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



13, 18.118, 164.417



5, 19.209, 3.019

Rectangle

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



13, 18.118, 164.417



13, 18.118, 214.417



13, 18.118, 344.417



13, 18.118, 34.417

Sweetspot

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



13, 18.118, 164.416



20, 7.568, 170.795



13, 25.903, 134.723



8, 4.833, 170.550



63, 0.008, 296.813



9, 0.003, 296.813

Same Dimension

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



13, 18.118, 164.416



18, 22.355, 162.781



11, 11.778, 217.967



6, 1.011, 172.577



31, 32.147, 160.661



75, 64.905, 158.464

Inverse Universe

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



5, 19.209, 3.019



7, 26.722, 6.053



5, 16.937, 27.376



6, 1.002, 353.675



15, 37.911, 12.338



45, 75.019, 17.798

Previews

White Background



This preview shows how the CIELCh color 13, 18.118, 164.417 looks on a white background.

Color Contrast Check

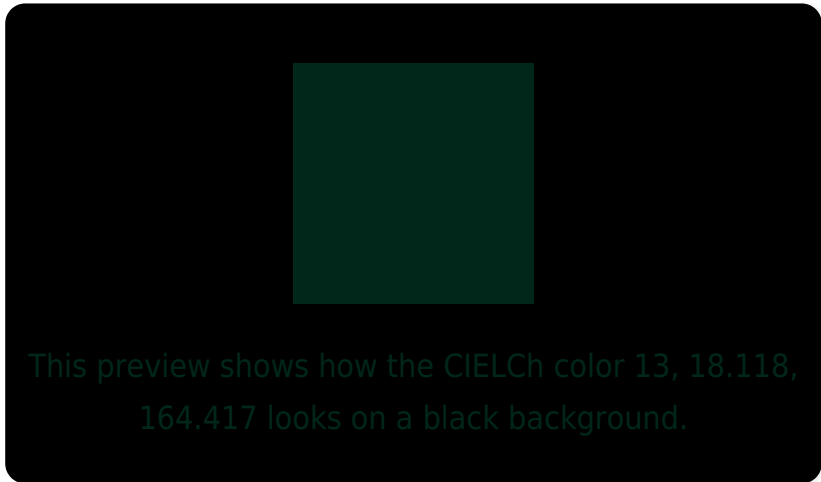
Large Text (above 18pt) WCAG AA ✓ Pass

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

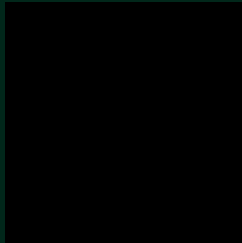
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 18.118, 164.417

Background



This preview shows how black text looks on a background with the CIELCh color 13, 18.118, 164.417.



This preview shows how white text looks on a background with the CIELCh color 13, 18.118, 164.417.

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
13, 18.118, 164.417

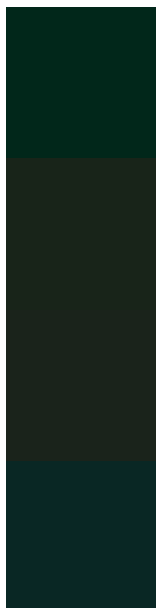
Protanopia
13, 7.298, 95.244

Deuteranopia
13, 5.168, 63.370



Tritanopia
13, 9.562, 210.491

Trichromacy



Original Color
13, 18.118, 164.417

Protanomaly
13, 9.946, 145.006

Deuteranomaly
13, 7.340, 146.315

Tritanomaly
13, 12.009, 186.289

Monochromacy



Original Color
13, 18.118, 164.417

Achromatopsia
10, 0.003, 296.813

Achromatomaly
11, 7.674, 168.888

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 18.118, 164.417 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(1, 39, 26)` looks like.

```
.text, #text, p{  
    color:rgb(1, 39, 26)  
}
```

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(1, 39, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 39, 26) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 18.118, 164.417 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(1, 39, 26) }
```

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

```
.border{ border-color:rgb(1, 39, 26) }
```

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

Here you see how a box with a 4 pixel rgb(1, 39, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 39, 26); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 39, 26); box-shadow:4px  
4px 4px 4px rgb(1, 39, 26) }
```

Background

The CSS property to change the background color of an element to CIELCh 13, 18.118, 164.417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 39, 26) }
```

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

```
.background{ background-color: rgb(1, 39,  
26) }
```

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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