

Converting Colors

CIELCh(13, 19.104, 163.922)

Have a look what the booklet for
CIELCh(13, 19.104, 163.922)
contains.

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Color

CIELCh(13, 19.038, 163.583)

Conversions

Conversions Part 1

Format	Color
Hex	00281A
RGB	0, 40, 26
RGB Percent	0%, 16%, 10%
CMY	1.0000, 0.8447, 0.8995
CMYK	1.00, 0.00, 0.35, 0.84
HSL	159°, 100%, 8%
HSV	159°, 100%, 16%
XYZ	0.9247, 1.5625, 1.2090
YIQ	26.4440, -19.3460, -12.8340

Conversions

Conversions Part 2

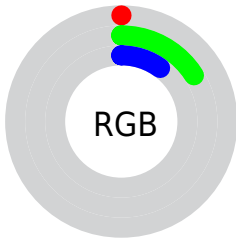
Format	Color
RYB	0, 24, 40
Decimal	10266
CIELab	13.00, -18.26, 5.38
CIELCh	13, 19.038, 163.583
Yxy	1.5625, 0.2502, 0.4227
Android (android.graphics.Color)	4278200346 (0xFF00281A)
YUV	26.4440, -0.2189, -23.1914
Hunter-Lab	12.5000, -8.6707, 3.0153

Details

The CIELCh color **13, 19.038, 163.583** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **4, 19.848, 2.500**, and the grayscale version is **9, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 19.199, 162.986**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **13, 18.963, 163.463**, and if you desaturate by 10%, it is **13, 17.225, 164.142**.

Distribution



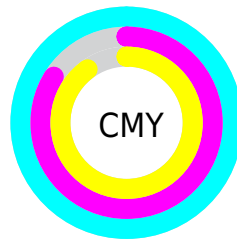
- Red (0%)
- Green (16%)
- Blue (10%)



- Red (0%)
- Yellow (9%)
- Blue (16%)



- Cyan (100%)
- Magenta (0%)
- Yellow (35%)
- Black (84%)



- Cyan (100%)
- Magenta (84%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 19.038, 163.583 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, 19.038, 163.583 by changing the saturation by 10% instead.

■ 13, 19.038,
163.583

■ 13, 19.038,
163.583

■ 100, 19.038,
163.583

■ 3, 19.038, 163.583

■ 33, 19.038,
163.583

■ 0, 19.038, 163.583

■ 43, 19.038,
163.583


■ 53, 19.038,
163.583


■ 63, 19.038,
163.583


■ 73, 19.038,
163.583


■ 83, 19.038,


163.583


 93, 19.038,
163.583


 13, 19.038,
163.583


 13, 19.038,
163.583


 13, 18.963,
163.463

 13, 17.225,
164.142

 13, 15.562,
165.055

 14, 13.945,
166.211

 14, 12.216,
167.322

 14, 10.362,
168.342

■ 14, 8.407, 169.283

■ 15, 6.372, 170.157

■ 15, 4.279, 170.977

■ 15, 2.149, 171.769

Harmonies

Complementary

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



13, 19.038, 163.583



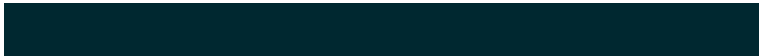
4, 19.848, 2.500

Rectangle

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



13, 19.038, 163.583



13, 19.038, 213.583



13, 19.038, 343.583



13, 19.038, 33.583

Sweetspot

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



13, 18.963, 163.463



20, 7.881, 169.998



13, 26.575, 134.322



8, 4.986, 169.754



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, 18.963, 163.463



18, 22.614, 162.044



11, 12.232, 215.394



6, 1.018, 171.865



31, 32.549, 159.907



75, 65.772, 157.695

Inverse Universe

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



4, 19.848, 2.500



7, 26.748, 5.385



5, 17.605, 26.447



6, 1.008, 352.968



15, 37.843, 11.372



45, 74.722, 16.772

Previews

White Background



This preview shows how the CIELCh color 13, 19.038, 163.583 looks on a white background.

Color Contrast Check

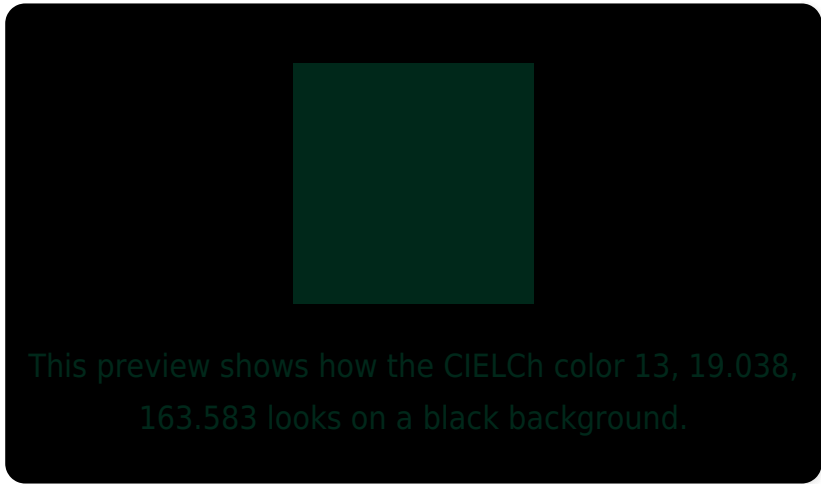
Large Text (above 18pt) WCAG AA ✓ Pass

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

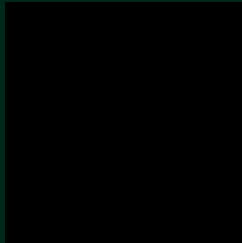
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 19.038, 163.583

Background



This preview shows how black text looks on a background with the CIELCh color 13, 19.038, 163.583.



This preview shows how white text looks on a background with the CIELCh color 13, 19.038, 163.583.

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, 19.038, 163.583

Protanopia

13, 7.988, 96.073

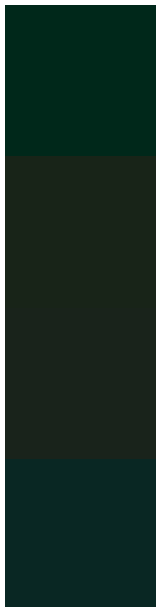
Deuteranopia

13, 5.710, 68.124



Tritanopia
13, 9.562, 210.491

Trichromacy



Original Color
13, 19.038, 163.583

Protanomaly
13, 10.531, 142.722

Deuteranomaly
13, 7.653, 148.987

Tritanomaly
13, 12.300, 183.039

Monochromacy



Original Color
13, 19.038, 163.583

Achromatopsia
9, 0.003, 296.813

Achromatomaly
10, 7.699, 168.804

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 19.038, 163.583 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(0, 40, 26)` looks like.

```
.text, #text, p{  
    color:rgb(0, 40, 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(0, 40, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 40, 26) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 19.038, 163.583 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(0, 40, 26) }
```

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

```
.border{ border-color:rgb(0, 40, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 40, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 40, 26); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 40, 26); box-shadow:4px  
4px 4px 4px rgb(0, 40, 26) }
```

Background

The CSS property to change the background color of an element to CIELCh 13, 19.038, 163.583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 40, 26) }
```

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

```
.background{ background-color: rgb(0, 40,  
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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