

Converting Colors

CIELCh(13, 15.764, 178.264)

Have a look what the booklet for
CIELCh(13, 15.764, 178.264)
contains.

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Color

CIELCh(13, 15.394, 179.558)

Conversions

Conversions Part 1

Format	Color
Hex	002721
RGB	0, 39, 33
RGB Percent	0%, 15%, 13%
CMY	0.9999, 0.8470, 0.8705
CMYK	1.00, 0.00, 0.15, 0.85
HSL	171°, 100%, 8%
HSV	171°, 100%, 15%
XYZ	1.0012, 1.5625, 1.6892
YIQ	26.6550, -21.3180, -10.1340

Conversions

Conversions Part 2

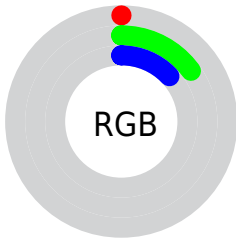
Format	Color
RYB	0, 21, 39
Decimal	10017
CIELab	13.00, -15.39, 0.12
CIELCh	13, 15.394, 179.558
Yxy	1.5625, 0.2354, 0.3674
Android (android.graphics.Color)	4278200097 (0xFF002721)
YUV	26.6550, 3.1281, -23.3764
Hunter-Lab	12.5000, -7.5773, 0.7378

Details

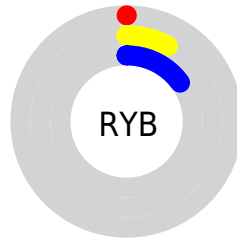
The CIELCh color **13, 15.394, 179.558** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **4, 18.725, 11.993**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 15.171, 180.264**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **13, 15.400, 179.555**, and if you desaturate by 10%, it is **13, 14.097, 180.148**.

Distribution



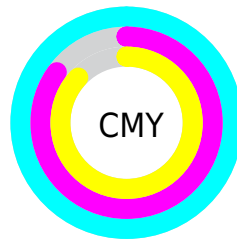
- Red (0%)
- Green (15%)
- Blue (13%)



- Red (0%)
- Yellow (8%)
- Blue (15%)



- Cyan (100%)
- Magenta (0%)
- Yellow (15%)
- Black (85%)



- Cyan (100%)
- Magenta (85%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 15.394, 179.558 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, 15.394, 179.558 by changing the saturation by 10% instead.

■ 13, 15.394,
179.558

■ 13, 15.394,
179.558

■ 100, 15.394,
179.558

■ 3, 15.394, 179.558

■ 33, 15.394,
179.558

■ 0, 15.394, 179.558

■ 43, 15.394,
179.558


■ 53, 15.394,
179.558


■ 63, 15.394,
179.558


■ 73, 15.394,
179.558


■ 83, 15.394,


179.558


 93, 15.394,
179.558


 13, 15.394,
179.558


 13, 15.394,
179.558

 13, 15.400,
179.555

 13, 14.097,
180.148

 13, 12.863,
180.865

 14, 11.666,
181.716

 14, 10.342,
182.549

 14, 8.871, 183.340

■ 14, 7.273, 184.096

■ 15, 5.566, 184.826

■ 15, 3.770, 185.540

■ 15, 1.906, 186.262

Harmonies

Complementary

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



13, 15.394, 179.558



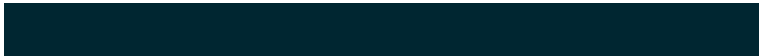
4, 18.725, 11.993

Rectangle

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



13, 15.394, 179.558



13, 15.394, 229.558



13, 15.394, 359.558



13, 15.394, 49.558

Sweetspot

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



13, 15.394, 179.557



20, 6.967, 184.680



13, 27.836, 139.292



8, 4.454, 184.887



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, 15.394, 179.557



18, 18.297, 178.582



8, 12.616, 249.888



6, 0.922, 186.504



31, 25.812, 177.160



76, 51.063, 175.630

Inverse Universe

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



4, 18.725, 11.993



7, 26.721, 15.358



7, 15.510, 39.956



6, 0.920, 7.168



15, 40.453, 26.535



44, 83.676, 33.190

Previews

White Background



This preview shows how the CIELCh color 13, 15.394, 179.558 looks on a white background.

Color Contrast Check

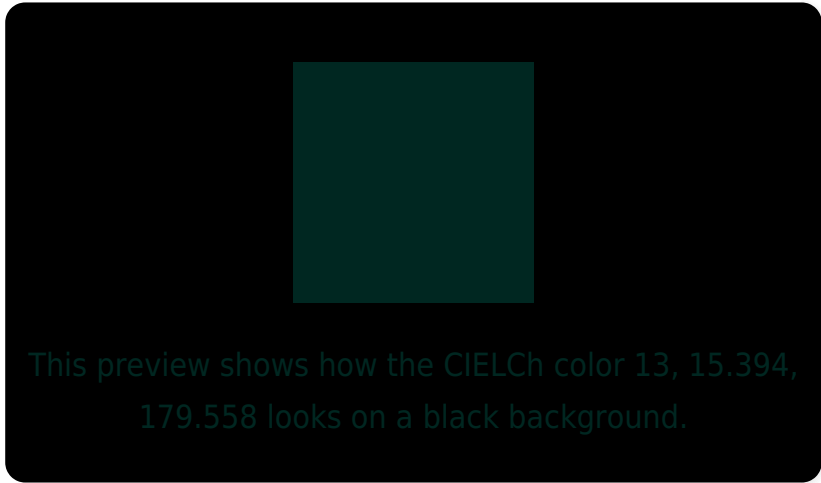
Large Text (above 18pt) WCAG AA ✓ Pass

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

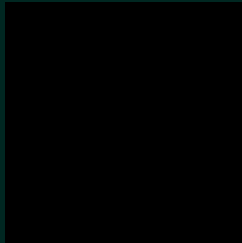
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 15.394, 179.558

Background



This preview shows how black text looks on a background with the CIELCh color 13, 15.394, 179.558.



This preview shows how white text looks on a background with the CIELCh color 13, 15.394, 179.558.

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, 15.394, 179.558

Protanopia

13, 3.030, 89.507

Deuteranopia

13, 2.605, 4.153



Tritanopia
13, 10.343, 209.329

Trichromacy



Original Color
13, 15.394, 179.558

Protanomaly
13, 7.201, 167.689

Deuteranomaly
13, 5.175, 190.110

Tritanomaly
13, 11.593, 196.788

Monochromacy



Original Color
13, 15.394, 179.558

Achromatopsia
10, 0.003, 296.813

Achromatomaly
10, 6.672, 184.855

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 15.394, 179.558 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, 39, 33)` looks like.

```
.text, #text, p{  
    color:rgb(0, 39, 33)  
}
```

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, 39, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 39, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 15.394, 179.558 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, 39, 33) }
```

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

```
.border{ border-color:rgb(0, 39, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 39, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 39, 33); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 39, 33); box-shadow:4px  
4px 4px 4px rgb(0, 39, 33) }
```

Background

The CSS property to change the background color of an element to CIELCh 13, 15.394, 179.558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 39, 33) }
```

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

```
.background{ background-color: rgb(0, 39,  
33) }
```

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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