

Converting Colors

CIELCh(14, 33.376, 170.133)

Have a look what the booklet for
CIELCh(14, 33.376, 170.133)
contains.

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Color

CIELCh(15, 21.741, 159.696)

Conversions

Conversions Part 1

Format	Color
Hex	002C1A
RGB	0, 44, 26
RGB Percent	0%, 17%, 10%
CMY	1.0000, 0.8257, 0.8961
CMYK	1.00, 0.00, 0.40, 0.83
HSL	156°, 100%, 9%
HSV	156°, 100%, 17%
XYZ	1.1039, 1.9086, 1.3165
YIQ	28.7920, -20.4460, -14.9260

Conversions

Conversions Part 2

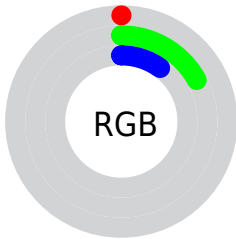
Format	Color
RYB	0, 28, 44
Decimal	11290
CIELab	15.00, -20.39, 7.54
CIELCh	15, 21.741, 159.696
Yxy	1.9086, 0.2550, 0.4409
Android (android.graphics.Color)	4278201370 (0xFF002C1A)
YUV	28.7920, -1.3765, -25.2506
Hunter-Lab	13.8151, -9.9138, 4.0206

Details

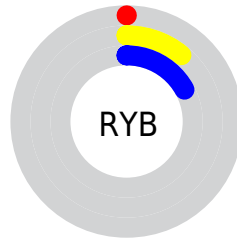
The CIELCh color **15, 21.741, 159.696** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **5, 23.447, 0.656**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 21.587, 159.312**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **15, 21.637, 159.529**, and if you desaturate by 10%, it is **15, 19.722, 160.361**.

Distribution



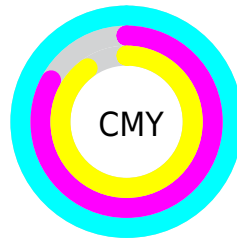
- Red (0%)
- Green (17%)
- Blue (10%)



- Red (0%)
- Yellow (11%)
- Blue (17%)



- Cyan (100%)
- Magenta (0%)
- Yellow (40%)
- Black (83%)





- Cyan (100%)
- Magenta (83%)
- Yellow (90%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 21.741, 159.696 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 15, 21.741, 159.696 by changing the saturation by 10% instead.

 15, 21.741,
159.696


 15, 21.741,
159.696

 100, 21.741,
159.696


 5, 21.741, 159.696

 35, 21.741,
159.696

 0, 21.741, 159.696

 45, 21.741,
159.696


 55, 21.741,
159.696


 65, 21.741,
159.696


 75, 21.741,
159.696


 85, 21.741,


159.696


 95, 21.741,
159.696


 15, 21.741,
159.696


 15, 21.741,
159.696


 15, 21.637,
159.529

 15, 19.722,
160.361

 15, 17.876,
161.454

 16, 16.029,
162.739

 16, 14.027,
163.919

 16, 11.885,
164.993

■ 16, 9.630, 165.975

■ 17, 7.289, 166.878

■ 17, 4.888, 167.717

■ 18, 2.451, 168.518

Harmonies

Complementary

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



15, 21.741, 159.696



5, 23.447, 0.656

Rectangle

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



15, 21.741, 159.696



15, 21.741, 209.696



15, 21.741, 339.696



15, 21.741, 29.696

Sweetspot

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



15, 21.637, 159.529



23, 9.196, 166.716



15, 29.190, 131.486



10, 6.344, 166.661



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

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



15, 21.637, 159.529



21, 26.402, 158.058



14, 13.550, 208.003



7, 1.305, 168.593



32, 35.259, 156.455



76, 70.581, 154.284

Inverse Universe

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



5, 23.447, 0.656



9, 29.676, 3.667



6, 21.598, 24.178



7, 1.290, 349.763



16, 38.472, 7.005



46, 74.378, 11.854

Previews

White Background



This preview shows how the CIELCh color 15, 21.741, 159.696 looks on a white background.

Color Contrast Check

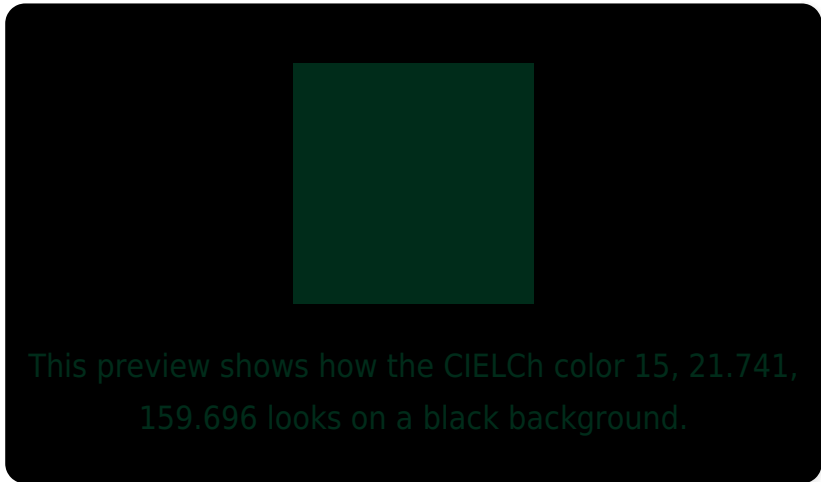
Large Text (above 18pt) WCAG AA ✓ Pass

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 15, 21.741, 159.696

Background



This preview shows how black text looks on a background with the CIELCh color 15, 21.741, 159.696.



This preview shows how white text looks on a background with the CIELCh color 15, 21.741, 159.696.

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
15, 21.596, 159.278

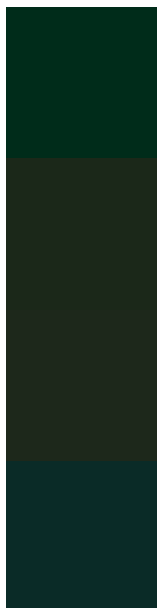
Protanopia
15, 10.014, 94.933

Deuteranopia
15, 7.997, 71.443



Tritanopia
15, 10.216, 213.611

Trichromacy



Original Color
15, 21.596, 159.278

Protanomaly
15, 12.412, 139.068

Deuteranomaly
15, 10.692, 138.782

Tritanomaly
15, 13.109, 184.058

Monochromacy



Original Color
15, 21.596, 159.278

Achromatopsia
11, 0.003, 296.813

Achromatomaly
12, 9.535, 164.966

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 21.741, 159.696 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, 44, 26)` looks like.

```
.text, #text, p{  
    color:rgb(0, 44, 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, 44, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 44, 26) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 21.741, 159.696 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, 44, 26) }
```

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

```
.border{ border-color:rgb(0, 44, 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, 44, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 44, 26); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 44, 26); box-shadow:4px  
4px 4px 4px rgb(0, 44, 26) }
```

Background

The CSS property to change the background color of an element to CIELCh 15, 21.741, 159.696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 44, 26) }
```

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

```
.background{ background-color: rgb(0, 44,  
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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