

Converting Colors

CIELCh(17, 22.915, 139.754)

Have a look what the booklet for
CIELCh(17, 22.915, 139.754)
contains.

CIELCh(17, 22.870, 139.833)	3
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Color

CIELCh(17, 22.870, 139.833)

Conversions

Conversions Part 1

Format	Color
Hex	153014
RGB	21, 48, 20
RGB Percent	8%, 19%, 8%
CMY	0.9185, 0.8126, 0.9224
CMYK	0.57, 0.00, 0.59, 0.81
HSL	118°, 41%, 13%
HSV	118°, 59%, 19%
XYZ	1.4767, 2.3023, 1.0188
YIQ	36.7350, -7.1040, -14.4320

Conversions

Conversions Part 2

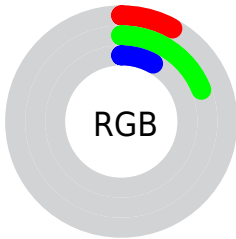
Format	Color
RYB	20, 48, 47
Decimal	1388564
CIELab	17.00, -17.48, 14.75
CIELCh	17, 22.870, 139.833
Yxy	2.3023, 0.3078, 0.4799
Android (android.graphics.Color)	4279578644 (0xFF153014)
YUV	36.7350, -8.2504, -13.7996
Hunter-Lab	15.1734, -9.1811, 6.6403

Details

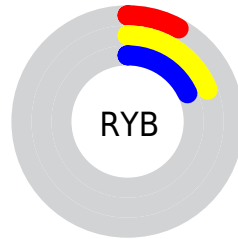
The CIELCh color **17, 22.870, 139.833** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **11, 22.837, 325.913**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 22.587, 139.944**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **17, 26.260, 139.189**, and if you desaturate by 10%, it is **17, 19.165, 140.634**.

Distribution



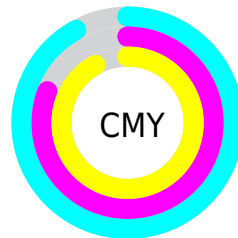
- Red (8%)
- Green (19%)
- Blue (8%)



- Red (8%)
- Yellow (19%)
- Blue (18%)



- Cyan (57%)
- Magenta (0%)
- Yellow (59%)
- Black (81%)



- Cyan (92%)
- Magenta (81%)
- Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 22.870, 139.833 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 17, 22.870, 139.833 by changing the saturation by 10% instead.

■ 17, 22.870,
139.833

■ 17, 22.870,
139.833

■ 100, 22.870,
139.833

■ 7, 22.870, 139.833

■ 37, 22.870,
139.833

■ 0, 22.870, 139.833

■ 47, 22.870,
139.833


■ 57, 22.870,
139.833


■ 67, 22.870,
139.833


■ 77, 22.870,
139.833


■ 87, 22.870,


139.833


 97, 22.870,
139.833


 17, 22.870,
139.833


 17, 22.870,
139.833


 17, 26.260,
139.189


 17, 19.165,
140.634

 16, 29.084,
139.010


 18, 15.303,
141.368

 16, 31.578,
138.946

 18, 11.352,
142.029

 16, 34.151,
139.009

 19, 7.364, 142.617

 16, 34.528,
139.030

 19, 3.381, 143.145

 20, 0.566, 323.403

■ 20, 4.452, 323.938

■ 21, 8.260, 324.288

■ 22, 11.980,
324.588

Harmonies

Complementary

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



17, 22.870, 139.833



11, 22.837, 325.913

Rectangle

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



17, 22.870, 139.833



17, 22.870, 189.833



17, 22.870, 319.833



17, 22.870, 9.833

Sweetspot

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



17, 22.870, 139.833



25, 8.794, 142.596



19, 17.676, 103.247



11, 5.967, 142.565



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

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



17, 22.870, 139.833



22, 32.755, 138.550



17, 16.504, 156.143



7, 1.952, 143.575



31, 54.322, 135.668



75, 104.836, 135.895

Inverse Universe

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



11, 22.837, 325.913



14, 32.518, 326.379



11, 17.148, 345.799



7, 1.954, 323.436



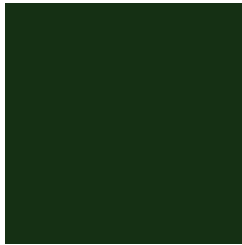
18, 52.744, 326.957



50, 101.492, 326.842

Previews

White Background



This preview shows how the CIELCh color 17, 22.870, 139.833 looks on a white background.

Color Contrast Check

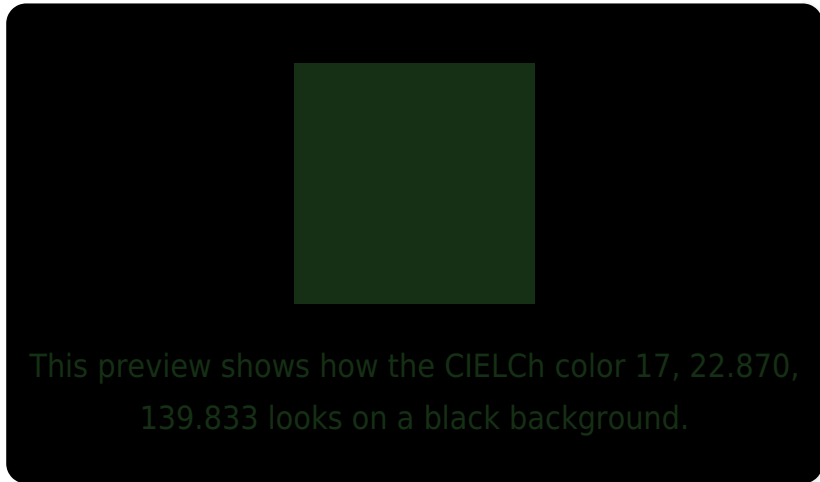
Large Text (above 18pt) WCAG AA ✓ Pass

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

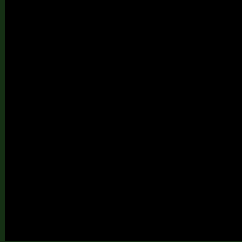
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 22.870, 139.833

Background



This preview shows how black text looks on a background with the CIELCh color 17, 22.870, 139.833.



This preview shows how white text looks on a background with the CIELCh color 17, 22.870, 139.833.

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

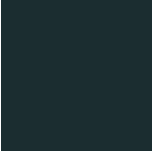
17, 22.870, 139.833

Protanopia

17, 16.462, 96.147

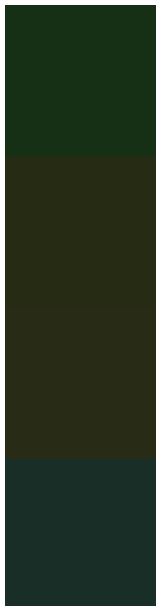
Deuteranopia

17, 13.917, 80.905



Tritanopia
17, 7.706, 213.788

Trichromacy



Original Color
17, 22.870, 139.833

Protanomaly
17, 17.212, 118.349

Deuteranomaly
17, 14.994, 112.406

Tritanomaly
17, 11.030, 166.800

Monochromacy



Original Color
17, 22.870, 139.833

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 8.606, 143.211

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 22.870, 139.833 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(21, 48, 20)` looks like.

```
.text, #text, p{  
    color:rgb(21, 48, 20)  
}
```

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(21, 48, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 48, 20) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 22.870, 139.833 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(21, 48, 20) }
```

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

```
.border{ border-color:rgb(21, 48, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 48, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 48, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 48, 20);  
box-shadow:4px 4px 4px 4px rgb(21, 48, 20)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 22.870, 139.833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 48, 20) }
```

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

```
.background{ background-color: rgb(21, 48,  
20) }
```

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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