

Converting Colors

CIELCh(17, 21.670, 160.117)

Have a look what the booklet for
CIELCh(17, 21.670, 160.117)
contains.

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Color

CIELCh(17, 21.695, 160.320)

Conversions

Conversions Part 1

Format	Color
Hex	03311F
RGB	3, 49, 31
RGB Percent	1%, 19%, 12%
CMY	0.9887, 0.8084, 0.8789
CMYK	0.94, 0.00, 0.37, 0.81
HSL	157°, 89%, 10%
HSV	157°, 94%, 19%
XYZ	1.3744, 2.3023, 1.6598
YIQ	33.1940, -21.6380, -15.3500

Conversions

Conversions Part 2

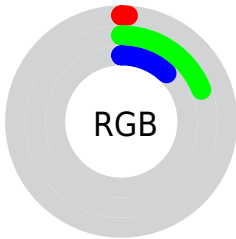
Format	Color
R_{YB}	3, 32, 49
Decimal	209183
CIE Lab	17.00, -20.43, 7.31
CIE LCh	17, 21.695, 160.320
Yxy	2.3023, 0.2575, 0.4314
Android (android.graphics.Color)	4278399263 (0xFF03311F)
YUV	33.1940, -1.0816, -26.4801
Hunter-Lab	15.1734, -10.3850, 4.1357

Details

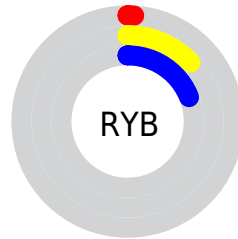
The CIELCh color **17, 21.695, 160.320** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **7, 24.543, 1.945**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 21.689, 160.095**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **17, 22.842, 159.780**, and if you desaturate by 10%, it is **17, 19.796, 161.438**.

Distribution



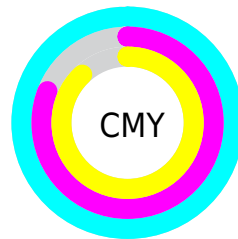
- Red (1%)
- Green (19%)
- Blue (12%)



- Red (1%)
- Yellow (13%)
- Blue (19%)



- Cyan (94%)
- Magenta (0%)
- Yellow (37%)
- Black (81%)





- Cyan (99%)
- Magenta (81%)
- Yellow (88%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 21.695, 160.320 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, 21.695, 160.320 by changing the saturation by 10% instead.

 17, 21.695,
160.320


 17, 21.695,
160.320


 100, 21.695,
160.320


 7, 21.695, 160.320


 37, 21.695,
160.320

 0, 21.695, 160.320

 47, 21.695,
160.320


 57, 21.695,
160.320


 67, 21.695,
160.320


 77, 21.695,
160.320


 87, 21.695,

160.320


 97, 21.695,
160.320


 17, 21.695,
160.320


 17, 21.695,
160.320


 17, 22.842,
159.780

 17, 19.796,
161.438

 17, 17.924,
162.790

 18, 15.886,
164.059

 18, 13.677,
165.212

 18, 11.325,
166.262

■ 19, 8.861, 167.225

■ 19, 6.315, 168.115

■ 20, 3.715, 168.949

■ 20, 1.085, 169.818

Harmonies

Complementary

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



17, 21.695, 160.320



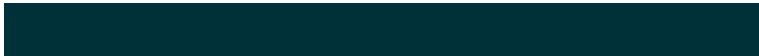
7, 24.543, 1.945

Rectangle

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



17, 21.695, 160.320



17, 21.695, 210.320



17, 21.695, 340.320



17, 21.695, 30.320

Sweetspot

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



17, 21.695, 160.320



25, 9.129, 167.641



17, 30.613, 130.928



12, 6.364, 167.533



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



17, 21.695, 160.320



23, 27.677, 158.470



16, 13.619, 210.699



9, 1.508, 169.429



33, 35.524, 157.160



77, 70.172, 155.077

Inverse Universe

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



7, 24.543, 1.945



10, 31.289, 5.546



7, 22.935, 26.761



8, 1.531, 350.509



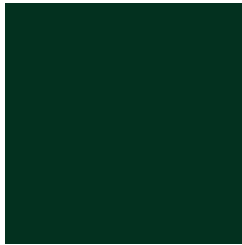
17, 39.270, 8.377



46, 75.248, 13.150

Previews

White Background



This preview shows how the CIELCh color 17, 21.695, 160.320 looks on a white background.

Color Contrast Check

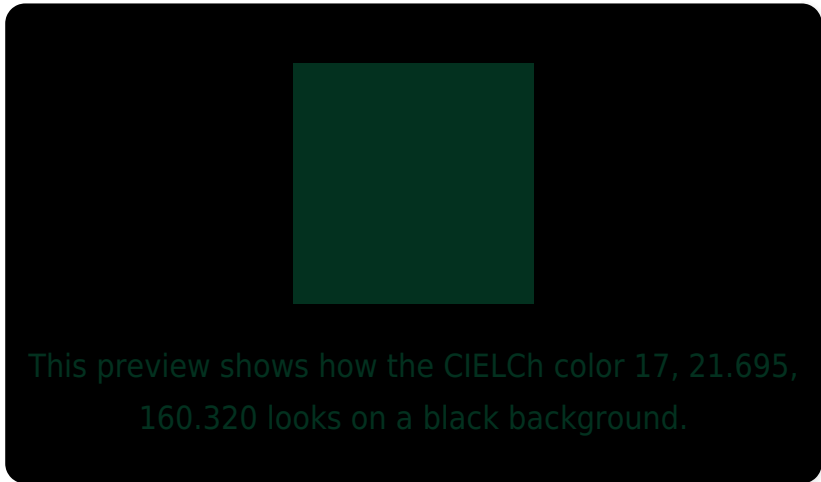
Large Text (above 18pt) WCAG AA ✓ Pass

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

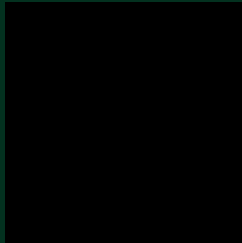
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 21.695, 160.320

Background



This preview shows how black text looks on a background with the CIELCh color 17, 21.695, 160.320.



This preview shows how white text looks on a background with the CIELCh color 17, 21.695, 160.320.

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

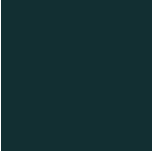
17, 21.695, 160.320

Protanopia

17, 9.874, 95.217

Deuteranopia

17, 7.296, 68.789



Tritanopia
17, 11.086, 208.236

Trichromacy



Original Color
17, 21.695, 160.320

Protanomaly
16, 12.504, 140.933

Deuteranomaly
17, 9.950, 140.905

Tritanomaly
17, 14.238, 182.335

Monochromacy



Original Color
17, 21.695, 160.320

Achromatopsia
13, 0.003, 296.813

Achromatomaly
14, 9.425, 165.300

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 21.695, 160.320 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(3, 49, 31)` looks like.

```
.text, #text, p{  
    color:rgb(3, 49, 31)  
}
```

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(3, 49, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 49, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 21.695, 160.320 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(3, 49, 31) }
```

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

```
.border{ border-color:rgb(3, 49, 31) }
```

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

Here you see how a box with a 4 pixel rgb(3, 49, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 49, 31); -webkit-box-shadow:4px  
4px 4px 4px rgb(3, 49, 31); box-shadow:4px  
4px 4px 4px rgb(3, 49, 31) }
```

Background

The CSS property to change the background color of an element to CIELCh 17, 21.695, 160.320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 49, 31) }
```

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

```
.background{ background-color: rgb(3, 49,  
31) }
```

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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