

Converting Colors

CIELCh(17, 22.749, 156.457)

Have a look what the booklet for
CIELCh(17, 22.749, 156.457)
contains.

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Color

CIELCh(17, 22.957, 156.150)

Conversions

Conversions Part 1

Format	Color
Hex	04311C
RGB	4, 49, 28
RGB Percent	2%, 19%, 11%
CMY	0.9845, 0.8080, 0.8903
CMYK	0.92, 0.00, 0.43, 0.81
HSL	152°, 85%, 10%
HSV	152°, 92%, 19%
XYZ	1.3552, 2.3023, 1.4692
YIQ	33.1510, -20.0790, -16.0710

Conversions

Conversions Part 2

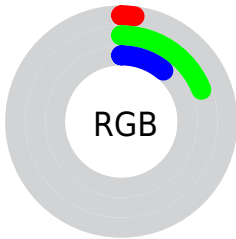
Format	Color
R_{YB}	4, 33, 49
Decimal	274716
CIE _{Lab}	17.00, -21.00, 9.28
CIE _{LCh}	17, 22.957, 156.150
Yxy	2.3023, 0.2643, 0.4491
Android (android.graphics.Color)	4278464796 (0xFF04311C)
YUV	33.1510, -2.5394, -25.5654
Hunter-Lab	15.1734, -10.6105, 4.8806

Details

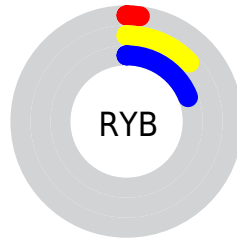
The CIELCh color **17, 22.957, 156.150** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **7, 24.565, 356.161**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 22.975, 156.616**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **17, 24.685, 155.398**, and if you desaturate by 10%, it is **17, 20.872, 157.332**.

Distribution



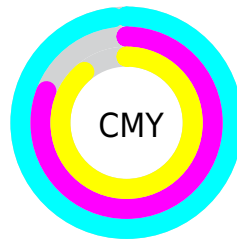
- Red (2%)
- Green (19%)
- Blue (11%)



- Red (2%)
- Yellow (13%)
- Blue (19%)



- Cyan (92%)
- Magenta (0%)
- Yellow (43%)
- Black (81%)





- Cyan (98%)
- Magenta (81%)
- Yellow (89%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 22.957, 156.150 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, 22.957, 156.150 by changing the saturation by 10% instead.

 17, 22.957,
156.150


 17, 22.957,
156.150


 100, 22.957,
156.150


 7, 22.957, 156.150


 37, 22.957,
156.150

 0, 22.957, 156.150

 47, 22.957,
156.150


 57, 22.957,
156.150


 67, 22.957,
156.150


 77, 22.957,
156.150

 87, 22.957,


156.150


 97, 22.957,
156.150


 17, 22.957,
156.150


 17, 22.957,
156.150


 17, 24.685,
155.398

 17, 20.872,
157.332

 17, 18.770,
158.705

 18, 16.488,
159.956

 18, 14.046,
161.087

 18, 11.476,
162.110

■ 19, 8.809, 163.040

■ 19, 6.078, 163.894

■ 20, 3.310, 164.691

■ 20, 0.530, 165.655

Harmonies

Complementary

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



17, 22.957, 156.150



7, 24.565, 356.161

Rectangle

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



17, 22.957, 156.150



17, 22.957, 206.150



17, 22.957, 336.150



17, 22.957, 26.150

Sweetspot

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



17, 22.957, 156.150



25, 9.661, 163.251



17, 29.525, 128.711



12, 6.737, 163.145



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, 22.957, 156.150



23, 29.955, 154.063



17, 14.328, 200.854



9, 1.587, 164.977



33, 38.549, 152.727



77, 76.440, 150.623

Inverse Universe

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



7, 24.565, 356.161



10, 31.594, 359.217



7, 23.597, 23.401



8, 1.606, 346.009



17, 39.426, 1.617



47, 74.685, 5.746

Previews

White Background



This preview shows how the CIELCh color 17, 22.957, 156.150 looks on a white background.

Color Contrast Check

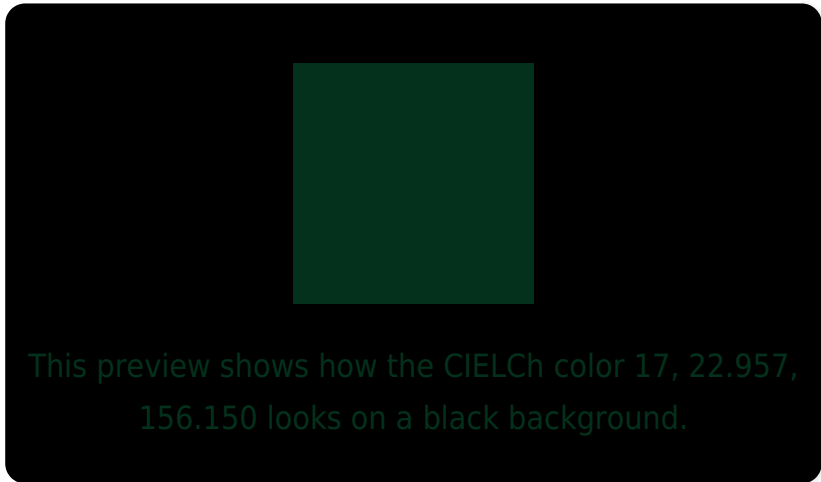
Large Text (above 18pt) WCAG AA ✓ Pass

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, 22.957, 156.150

Background



This preview shows how black text looks on a background with the CIELCh color 17, 22.957, 156.150.



This preview shows how white text looks on a background with the CIELCh color 17, 22.957, 156.150.

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, 22.957, 156.150

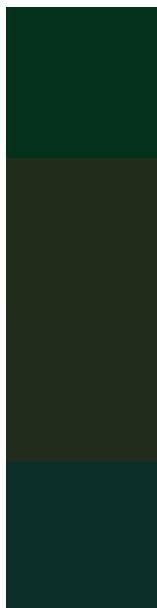
Protanopia
17, 11.863, 96.614

Deuteranopia
17, 9.031, 76.309



Tritanopia
17, 10.819, 212.450

Trichromacy



Original Color
17, 22.957, 156.150

Protanomaly
17, 14.810, 135.158

Deuteranomaly
17, 11.740, 135.442

Tritanomaly
17, 13.752, 181.840

Monochromacy



Original Color
17, 22.957, 156.150

Achromatopsia
13, 0.003, 296.813

Achromatomaly
14, 9.877, 161.957

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 22.957, 156.150 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(4, 49, 28)` looks like.

```
.text, #text, p{  
    color:rgb(4, 49, 28)  
}
```

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(4, 49, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 49, 28) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 22.957, 156.150 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(4, 49, 28) }
```

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

```
.border{ border-color:rgb(4, 49, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 49, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 49, 28); -webkit-box-shadow:4px  
4px 4px 4px rgb(4, 49, 28); box-shadow:4px  
4px 4px 4px rgb(4, 49, 28) }
```

Background

The CSS property to change the background color of an element to CIELCh 17, 22.957, 156.150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 49, 28) }
```

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

```
.background{ background-color: rgb(4, 49,  
28) }
```

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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