

Converting Colors

CIELCh(17, 11.133, 118.060)

Have a look what the booklet for
CIELCh(17, 11.133, 118.060)
contains.

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Color

CIELCh(17, 11.133, 118.060)

Conversions

Conversions Part 1

Format	Color
Hex	282C1C
RGB	40, 44, 28
RGB Percent	16%, 17%, 11%
CMY	0.8445, 0.8288, 0.8915
CMYK	0.09, 0.00, 0.37, 0.83
HSL	75°, 22%, 14%
HSV	75°, 37%, 17%
XYZ	1.9554, 2.3023, 1.4196
YIQ	40.9800, 2.7520, -5.8240

Conversions

Conversions Part 2

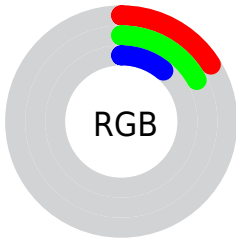
Format	Color
R_YB	28, 44, 32
Decimal	2632732
CIE Lab	17.00, -5.24, 9.82
CIE LCh	17, 11.133, 118.060
Yxy	2.3023, 0.3444, 0.4055
Android (android.graphics.Color)	4280822812 (0xFF282C1C)
YUV	40.9800, -6.3991, -0.8595
Hunter-Lab	15.1734, -3.5504, 5.0744

Details

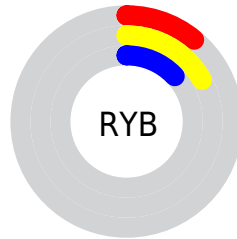
The CIELCh color **17, 11.133, 118.060** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **11, 11.855, 302.130**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 10.578, 118.222**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **17, 14.087, 117.565**, and if you desaturate by 10%, it is **17, 8.124, 118.575**.

Distribution



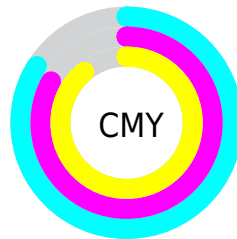
- Red (16%)
- Green (17%)
- Blue (11%)



- Red (11%)
- Yellow (17%)
- Blue (13%)



- Cyan (9%)
- Magenta (0%)
- Yellow (37%)
- Black (83%)



- Cyan (84%)
- Magenta (83%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 11.133, 118.060 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, 11.133, 118.060 by changing the saturation by 10% instead.

■ 17, 11.133,
118.060

■ 17, 11.133,
118.060

■ 100, 11.133,
118.060

■ 7, 11.133, 118.060

■ 37, 11.133,
118.060

■ 0, 11.133, 118.060

■ 47, 11.133,
118.060


■ 57, 11.133,
118.060


■ 67, 11.133,
118.060


■ 77, 11.133,
118.060


■ 87, 11.133,

118.060


 97, 11.133,
118.060

 17, 11.133,
118.060


 17, 11.133,
118.060

 17, 14.087,
117.565


 17, 8.124, 118.575

 17, 16.953,
117.102


 17, 5.082, 119.089

 16, 19.501,
116.974

 18, 2.022, 119.598

 16, 21.593,
117.230

 18, 4.103, 300.556

 16, 23.453,
117.624

 18, 7.153, 301.010

 19, 10.186,

■ 16, 25.325,
117.992

301.441

■ 16, 25.962,
118.113

■ 19, 13.199,
301.849

■ 19, 16.188,
302.233

Harmonies

Complementary

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



17, 11.133, 118.060



11, 11.855, 302.130

Rectangle

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



17, 11.133, 118.060



17, 11.133, 168.060



17, 11.133, 298.060



17, 11.133, 348.060

Sweetspot

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



17, 11.134, 118.063



23, 4.161, 119.343



13, 7.071, 44.388



10, 2.723, 119.352



64, 0.008, 296.813



10, 0.003, 296.813

Same Dimension

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



17, 11.134, 118.063



22, 16.436, 117.570



16, 12.584, 135.823



8, 1.644, 120.244



34, 45.682, 116.419



79, 88.385, 117.514

Inverse Universe

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



11, 11.855, 302.130



14, 17.858, 302.880



12, 12.808, 318.570



7, 1.645, 299.595



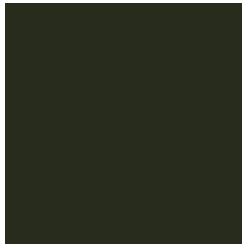
8, 59.100, 308.391



28, 114.883, 307.661

Previews

White Background



This preview shows how the CIELCh color 17, 11.133, 118.060 looks on a white background.

Color Contrast Check

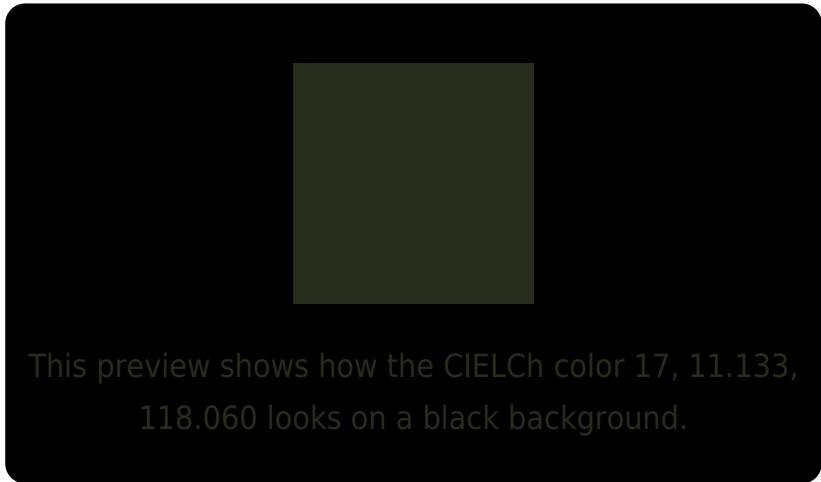
Large Text (above 18pt) WCAG AA ✓ Pass

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

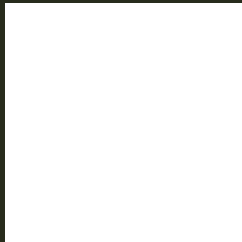
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 17, 11.133, 118.060

Background



This preview shows how black text looks on a background with the CIELCh color 17, 11.133, 118.060.

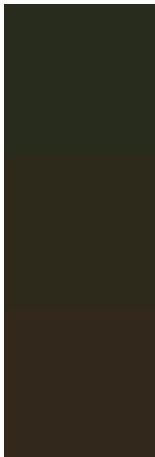


This preview shows how white text looks on a background with the CIELCh color 17, 11.133, 118.060.

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, 11.133, 118.060

Protanopia

17, 10.539, 95.765

Deuteranopia

17, 9.972, 75.418



Tritanopia
17, 2.087, 290.728

Trichromacy



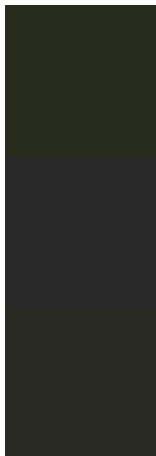
Original Color
17, 11.133, 118.060

Protanomaly
17, 10.963, 104.526

Deuteranomaly
17, 9.384, 91.323

Tritanomaly
17, 2.941, 128.755

Monochromacy



Original Color
17, 11.133, 118.060

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 4.190, 115.886

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 11.133, 118.060 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(40, 44, 28)` looks like.

```
.text, #text, p{  
  color:rgb(40, 44, 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(40, 44, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 44, 28) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 11.133, 118.060 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(40, 44, 28) }
```

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

```
.border{ border-color:rgb(40, 44, 28) }
```

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

Here you see how a box with a 4 pixel rgb(40, 44, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 44, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 44, 28);  
box-shadow:4px 4px 4px 4px rgb(40, 44, 28)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 11.133, 118.060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 44, 28) }
```

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

```
.background{ background-color: rgb(40, 44,  
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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