

Converting Colors

CIELCh(17, 17.010, 128.439)

Have a look what the booklet for
CIELCh(17, 17.010, 128.439)
contains.

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Color

CIELCh(17, 17.515, 128.534)

Conversions

Conversions Part 1

Format	Color
Hex	212E16
RGB	33, 46, 22
RGB Percent	13%, 18%, 9%
CMY	0.8719, 0.8209, 0.9149
CMYK	0.28, 0.00, 0.53, 0.82
HSL	93°, 36%, 13%
HSV	93°, 53%, 18%
XYZ	1.7223, 2.3023, 1.0970
YIQ	39.3770, -0.0440, -10.2200

Conversions

Conversions Part 2

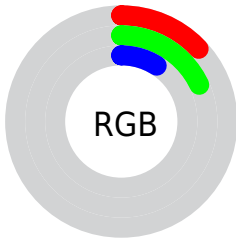
Format	Color
R_{YB}	22, 46, 35
Decimal	2174486
CIE _{Lab}	17.00, -10.91, 13.70
CIE _{LCh}	17, 17.515, 128.534
Yxy	2.3023, 0.3363, 0.4495
Android (android.graphics.Color)	4280364566 (0xFF212E16)
YUV	39.3770, -8.5669, -5.5926
Hunter-Lab	15.1734, -6.2919, 6.3351

Details

The CIELCh color **17, 17.515, 128.534** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **10, 18.518, 312.557**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 17.627, 128.469**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **17, 20.633, 128.241**, and if you desaturate by 10%, it is **17, 14.261, 128.922**.

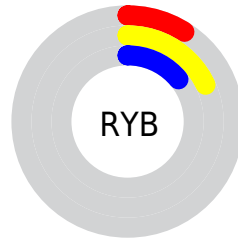
Distribution



Red (13%)

Green (18%)

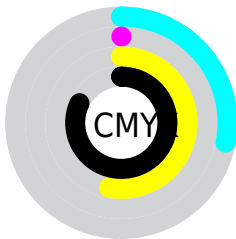
Blue (9%)



Red (9%)

Yellow (18%)

Blue (14%)

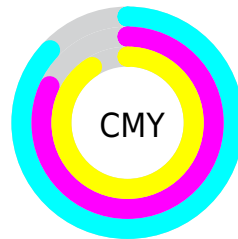


Cyan (28%)

Magenta (0%)

Yellow (53%)

Black (82%)



Cyan (87%)

Magenta (82%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 17.515, 128.534 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, 17.515, 128.534 by changing the saturation by 10% instead.

■ 17, 17.515,
128.534

■ 17, 17.515,
128.534

■ 100, 17.515,
128.534

■ 7, 17.515, 128.534

■ 37, 17.515,
128.534

■ 0, 17.515, 128.534

■ 47, 17.515,
128.534


■ 57, 17.515,
128.534


■ 67, 17.515,
128.534

■ 77, 17.515,
128.534


■ 87, 17.515,


128.534


 97, 17.515,
128.534


 17, 17.515,
128.534


 17, 17.515,
128.534

 17, 20.633,
128.241


 17, 14.261,
128.922

 16, 23.339,
128.467

 18, 10.938,
129.319


 16, 25.634,
129.056


 18, 7.578, 129.712

 16, 27.870,
129.581

 18, 4.206, 130.093

 19, 0.838, 130.492

 16, 29.551,
129.900

 19, 2.512, 310.747

■ 20, 5.833, 311.062

■ 20, 9.118, 311.344

■ 20, 12.362,
311.600

Harmonies

Complementary

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



17, 17.515, 128.534



10, 18.518, 312.557

Rectangle

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



17, 17.515, 128.534



17, 17.515, 178.534



17, 17.515, 308.534



17, 17.515, 358.534

Sweetspot

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



17, 17.516, 128.535



24, 6.650, 129.928



14, 11.087, 73.398



11, 4.542, 129.922



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, 17.516, 128.535



22, 25.587, 128.062



16, 19.653, 141.982



8, 1.736, 130.918



32, 49.743, 128.107



77, 97.078, 129.521

Inverse Universe

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



10, 18.518, 312.557



12, 27.491, 313.088



11, 19.595, 327.675



7, 1.731, 310.121



11, 55.946, 313.759



35, 108.520, 312.784

Previews

White Background



This preview shows how the CIELCh color 17, 17.515, 128.534 looks on a white background.

Color Contrast Check

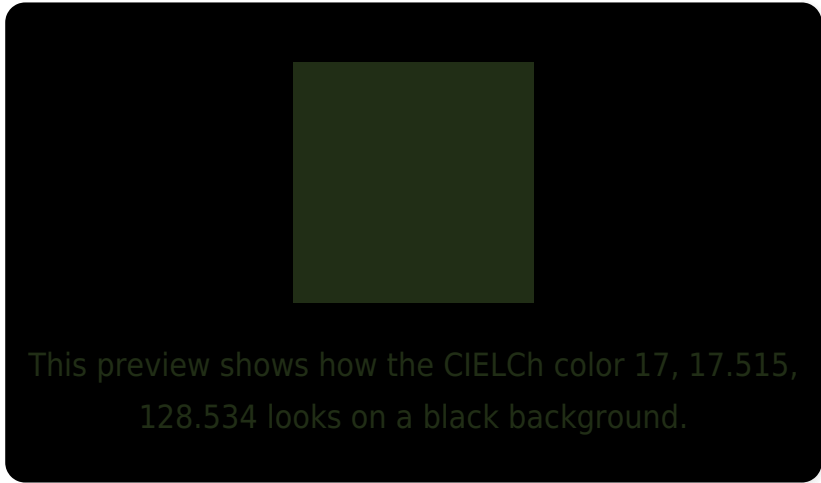
Large Text (above 18pt) WCAG AA ✓ Pass

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

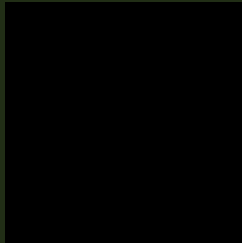
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 17.515, 128.534

Background



This preview shows how black text looks on a background with the CIELCh color 17, 17.515, 128.534.



This preview shows how white text looks on a background with the CIELCh color 17, 17.515, 128.534.

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

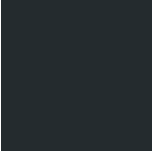
17, 17.515, 128.534

Protanopia

17, 15.118, 97.810

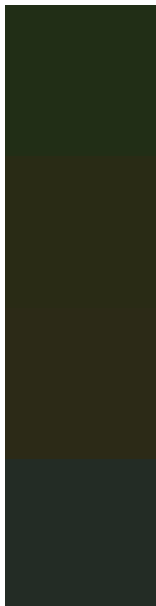
Deuteranopia

17, 13.303, 79.930



Tritanopia
17, 3.726, 233.090

Trichromacy



Original Color
17, 17.515, 128.534

Protanomaly
17, 14.942, 110.371

Deuteranomaly
17, 13.031, 101.941

Tritanomaly
17, 6.544, 150.182

Monochromacy



Original Color
17, 17.515, 128.534

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 5.934, 128.377

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 17.515, 128.534 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(33, 46, 22)` looks like.

```
.text, #text, p{  
    color:rgb(33, 46, 22)  
}
```

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(33, 46, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 46, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 17.515, 128.534 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(33, 46, 22) }
```

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

```
.border{ border-color:rgb(33, 46, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 46, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 46, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 46, 22);  
box-shadow:4px 4px 4px 4px rgb(33, 46, 22)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 17.515, 128.534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 46, 22) }
```

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

```
.background{ background-color: rgb(33, 46,  
22) }
```

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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