

# Converting Colors

CIELCh(17, 11.379, 126.701)

Have a look what the booklet for  
CIELCh(17, 11.379, 126.701)  
contains.

<b>CIELCh(17, 10.904, 126.591)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# Color

**CIELCh(17, 10.904, 126.591)**

# Conversions

## Conversions Part 1

Format	Color
Hex	252C1D
RGB	37, 44, 29
RGB Percent	15%, 17%, 11%
CMY	0.8542, 0.8267, 0.8855
CMYK	0.16, 0.00, 0.34, 0.83
HSL	88°, 20%, 14%
HSV	88°, 34%, 17%
XYZ	1.9018, 2.3023, 1.5186
YIQ	40.1970, 0.6430, -6.1490

# Conversions

## Conversions Part 2

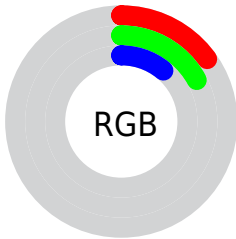
<b>Format</b>	<b>Color</b>
<b>RYB</b>	29, 44, 36
Decimal	2436125
CIELab	17.00, -6.50, 8.75
CIELCh	17, 10.904, 126.591
Yxy	2.3023, 0.3323, 0.4023
Android (android.graphics.Color)	4280626205 (0xFF252C1D)
YUV	40.1970, -5.5201, -2.8038
Hunter-Lab	15.1734, -4.1807, 4.6877

# Details

The CIELCh color **17, 10.904, 126.591** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **12, 11.362, 309.278**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 10.321, 126.071**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **17, 14.062, 126.196**, and if you desaturate by 10%, it is **17, 7.706, 126.993**.

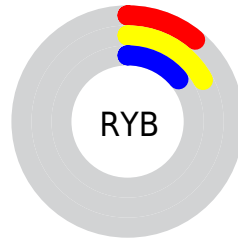
# Distribution



Red (15%)

Green (17%)

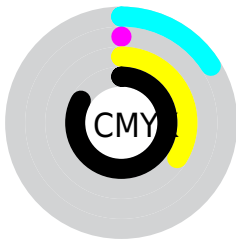
Blue (11%)



Red (11%)

Yellow (17%)

Blue (14%)

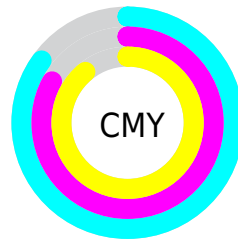


Cyan (16%)

Magenta (0%)

Yellow (34%)

Black (83%)



Cyan (85%)

Magenta (83%)

Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 10.904, 126.591 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, 10.904, 126.591 by changing the saturation by 10% instead.



■ 17, 10.904,  
126.591

■ 17, 10.904,  
126.591

■ 100, 10.904,  
126.591

■ 7, 10.904, 126.591

■ 37, 10.904,  
126.591

■ 0, 10.904, 126.591

■ 47, 10.904,  
126.591


■ 57, 10.904,  
126.591


■ 67, 10.904,  
126.591


■ 77, 10.904,  
126.591


■ 87, 10.904,

126.591


 97, 10.904,  
126.591

 17, 10.904,  
126.591


 17, 10.904,  
126.591

 17, 14.062,  
126.196


 17, 7.706, 126.993

 16, 17.148,  
125.818


 18, 4.489, 127.386

 16, 20.028,  
125.677

 18, 1.270, 127.781


 16, 22.471,  
126.060

 18, 1.938, 308.085

 16, 24.583,  
126.698

 19, 5.127, 308.428

 19, 8.288, 308.738

 19, 11.416,

■ 16, 26.688,  
127.254

309.023

■ 16, 27.965,  
127.547

■ 20, 14.508,  
309.285

■ 20, 17.559,  
309.525

# Harmonies

# Complementary

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



17, 10.904, 126.591



12, 11.362, 309.278

# Rectangle

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



17, 10.904, 126.591



17, 10.904, 176.591



17, 10.904, 306.591



17, 10.904, 356.591

# Sweetspot

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



17, 10.905, 126.593



24, 4.079, 127.515



15, 6.502, 66.656



11, 2.816, 127.507



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, 10.905, 126.593



23, 16.651, 126.210



16, 12.571, 141.354



8, 1.707, 128.302



33, 48.615, 125.619



77, 94.747, 127.059



# Inverse Universe

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



12, 11.362, 309.278



16, 17.578, 309.726



13, 12.605, 324.500



7, 1.703, 307.483



10, 56.790, 312.036

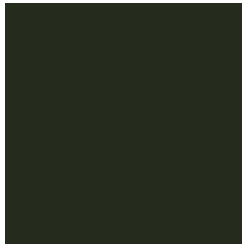


33, 110.308, 311.055



# Previews

## White Background



This preview shows how the CIE LCh color 17, 10.904, 126.591 looks on a white background.

## Color Contrast Check

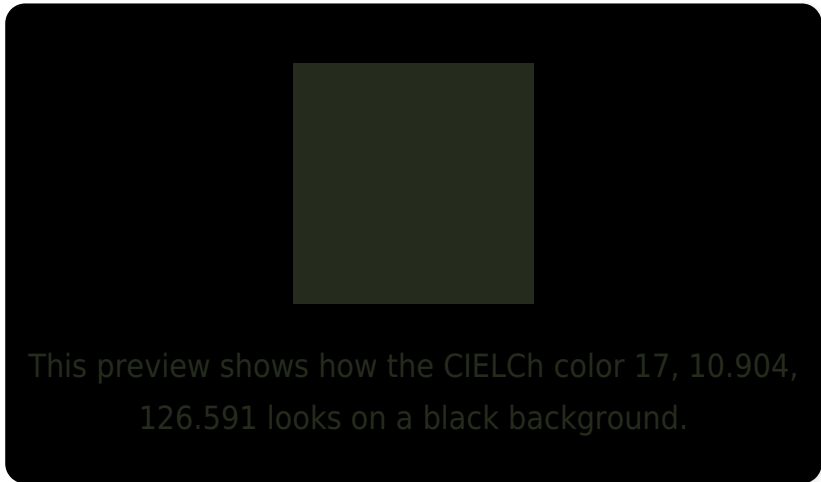
Large Text (above 18pt) WCAG AA ✓ Pass

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

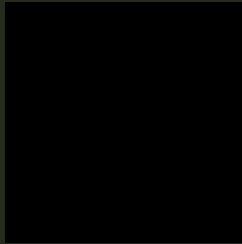
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

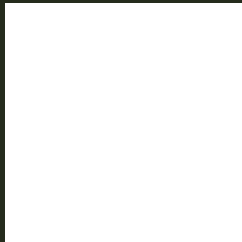
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 17, 10.904, 126.591**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 17, 10.904, 126.591.

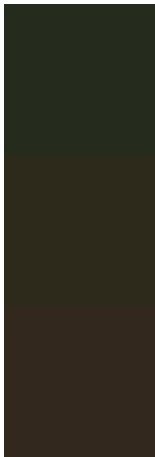


This preview shows how white text looks on a background with the CIELCh color 17, 10.904, 126.591.

# 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, 10.904, 126.591

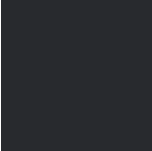
### Protanopia

17, 9.768, 98.267

### Deuteranopia

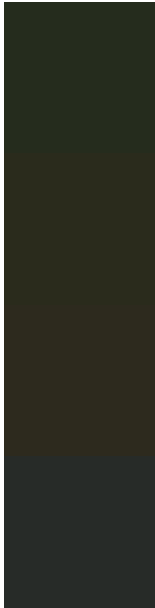
17, 8.800, 71.275





**Tritanopia**  
17, 2.912, 272.558

# Trichromacy



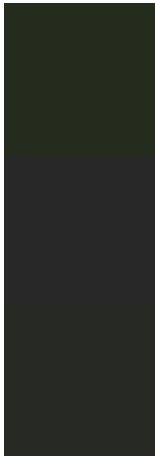
**Original Color**  
17, 10.904, 126.591

**Protanomaly**  
17, 10.296, 110.378

**Deuteranomaly**  
17, 8.424, 97.248

**Tritanomaly**  
17, 2.847, 151.881

# Monochromacy



**Original Color**  
17, 10.904, 126.591

**Achromatopsia**  
16, 0.003, 296.813

**Achromatomaly**  
17, 4.432, 128.570

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 17, 10.904, 126.591 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(37, 44, 29)` looks like.

```
.text, #text, p{  
    color:rgb(37, 44, 29)  
}
```

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(37, 44, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 44, 29) }
```

## Border

The CSS property to change the border of an element to CIELCh 17, 10.904, 126.591 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(37, 44, 29) }
```

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

```
.border{ border-color:rgb(37, 44, 29) }
```

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

Here you see how a box with a 4 pixel rgb(37, 44, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 44, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 44, 29);  
box-shadow:4px 4px 4px 4px rgb(37, 44, 29)  
}
```

# Background

The CSS property to change the background color of an element to CIELCh 17, 10.904, 126.591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 44, 29) }
```

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

```
.background{ background-color: rgb(37, 44,  
29) }
```

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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