

Converting Colors

CIELCh(17, 10.379, 116.106)

Have a look what the booklet for
CIELCh(17, 10.379, 116.106)
contains.

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Color

CIELCh(17, 10.412, 116.073)

Conversions

Conversions Part 1

Format	Color
Hex	282B1C
RGB	40, 43, 28
RGB Percent	16%, 17%, 11%
CMY	0.8415, 0.8298, 0.8887
CMYK	0.07, 0.00, 0.35, 0.83
HSL	72°, 21%, 14%
HSV	72°, 35%, 17%
XYZ	1.9838, 2.3023, 1.4627
YIQ	40.3930, 3.0270, -5.3010

Conversions

Conversions Part 2

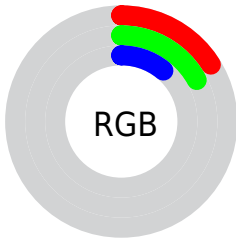
Format	Color
R_{YB}	28, 43, 31
Decimal	2632476
CIE Lab	17.00, -4.58, 9.35
CIE LCh	17, 10.412, 116.073
Yxy	2.3023, 0.3451, 0.4005
Android (android.graphics.Color)	4280822556 (0xFF282B1C)
YUV	40.3930, -6.1097, -0.3447
Hunter-Lab	15.1734, -3.2160, 4.9059

Details

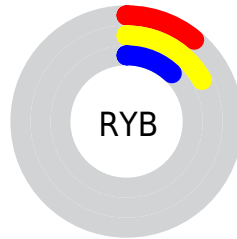
The CIELCh color **17, 10.412, 116.073** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **11, 11.076, 300.267**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 10.526, 115.824**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **17, 13.341, 115.531**, and if you desaturate by 10%, it is **17, 7.432, 116.633**.

Distribution



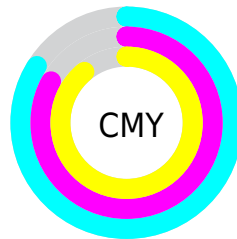
- Red (16%)
- Green (17%)
- Blue (11%)



- Red (11%)
- Yellow (17%)
- Blue (12%)



- Cyan (7%)
- Magenta (0%)
- Yellow (35%)
- Black (83%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 10.412, 116.073 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, 10.412, 116.073 by changing the saturation by 10% instead.

■ 17, 10.412,
116.073

■ 17, 10.412,
116.073

■ 100, 10.412,
116.073

■ 7, 10.412, 116.073

■ 37, 10.412,
116.073

■ 0, 10.412, 116.073

■ 47, 10.412,
116.073


■ 57, 10.412,
116.073


■ 67, 10.412,
116.073


■ 77, 10.412,
116.073


■ 87, 10.412,

116.073


 97, 10.412,
116.073

 17, 10.412,
116.073


 17, 10.412,
116.073

 17, 13.341,
115.531


 17, 7.432, 116.633

 17, 16.189,
115.014


 17, 4.421, 117.190

 17, 18.778,
114.740

 18, 1.393, 117.741

 16, 20.909,
114.849

 18, 4.668, 298.787

 16, 22.731,
115.140

 18, 7.687, 299.283

 19, 10.692,

■ 16, 24.550,
115.425

299.755

■ 16, 25.535,
115.575

■ 19, 13.679,
300.203

■ 19, 16.644,
300.628

Harmonies

Complementary

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



17, 10.412, 116.073



11, 11.076, 300.267

Rectangle

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



17, 10.412, 116.073



17, 10.412, 166.073



17, 10.412, 296.073



17, 10.412, 346.073

Sweetspot

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



17, 10.413, 116.076



23, 3.760, 117.413



13, 6.849, 37.520



10, 2.498, 117.413



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, 10.413, 116.076



23, 15.601, 115.539



16, 11.605, 133.900



8, 1.635, 118.263



34, 45.165, 113.878



80, 87.229, 114.802

Inverse Universe

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



11, 11.076, 300.267



14, 16.945, 301.089



12, 11.866, 316.395



7, 1.636, 297.708



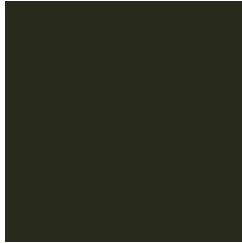
7, 59.479, 307.781



28, 115.667, 307.192

Previews

White Background



This preview shows how the CIE LCh color 17, 10.412, 116.073 looks on a white background.

Color Contrast Check

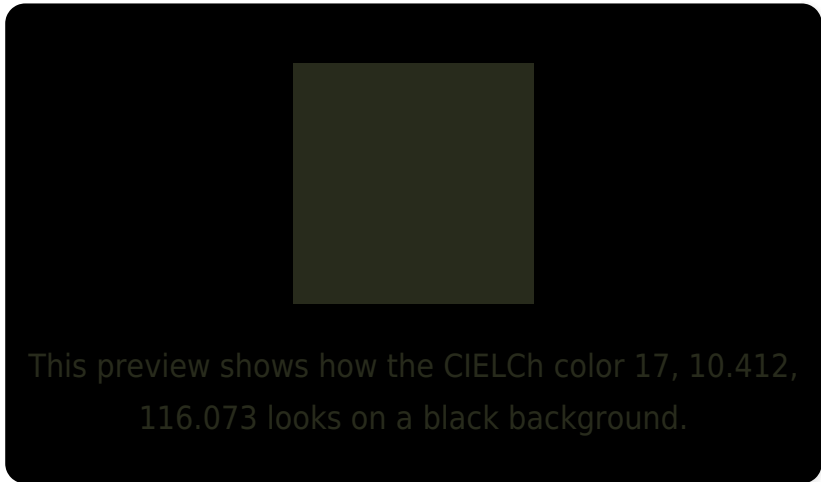
Large Text (above 18pt) WCAG AA ✓ Pass

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, 10.412, 116.073

Background



This preview shows how black text looks on a background with the CIELCh color 17, 10.412, 116.073.



This preview shows how white text looks on a background with the CIELCh color 17, 10.412, 116.073.

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, 10.412, 116.073

Protanopia

17, 9.768, 98.267

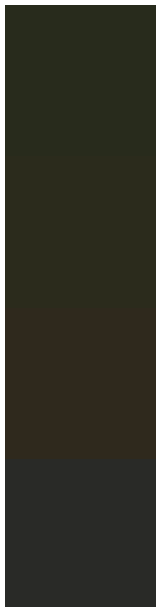
Deuteranopia

17, 9.380, 73.490



Tritanopia
17, 2.836, 300.367

Trichromacy



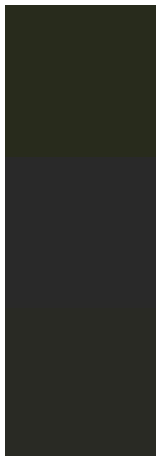
Original Color
17, 10.412, 116.073

Protanomaly
17, 10.280, 107.468

Deuteranomaly
17, 8.909, 87.069

Tritanomaly
17, 2.141, 122.753

Monochromacy



Original Color
17, 10.412, 116.073

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, 10.412, 116.073 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, 43, 28)` looks like.

```
.text, #text, p{  
    color:rgb(40, 43, 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, 43, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 43, 28) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 10.412, 116.073 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, 43, 28) }
```

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

```
.border{ border-color:rgb(40, 43, 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, 43, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 43, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 43, 28);  
box-shadow:4px 4px 4px 4px rgb(40, 43, 28)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 10.412, 116.073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 43, 28) }
```

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

```
.background{ background-color: rgb(40, 43,  
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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