

Converting Colors

CIELCh(17, 10.683, 109.338)

Have a look what the booklet for
CIELCh(17, 10.683, 109.338)
contains.

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Color

CIELCh(17, 10.966, 110.035)

Conversions

Conversions Part 1

Format	Color
Hex	2A2B1B
RGB	42, 43, 27
RGB Percent	16%, 17%, 11%
CMY	0.8352, 0.8312, 0.8940
CMYK	0.02, 0.00, 0.37, 0.83
HSL	64°, 23%, 14%
HSV	64°, 37%, 17%
XYZ	2.0194, 2.3023, 1.3768
YIQ	40.8770, 4.5400, -5.1880

Conversions

Conversions Part 2

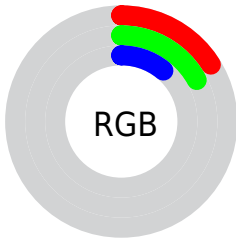
Format	Color
R_{YB}	27, 43, 28
Decimal	2763547
CIE _{Lab}	17.00, -3.76, 10.30
CIE _{LCh}	17, 10.966, 110.035
Yxy	2.3023, 0.3544, 0.4040
Android (android.graphics.Color)	4280953627 (0xFF2A2B1B)
YUV	40.8770, -6.8414, 0.9849
Hunter-Lab	15.1734, -2.7968, 5.2416

Details

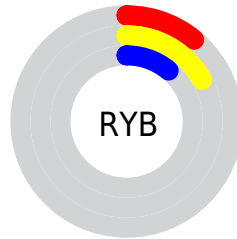
The CIELCh color **17, 10.966, 110.035** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **11, 11.787, 295.903**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 11.033, 108.361**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **17, 13.818, 109.353**, and if you desaturate by 10%, it is **17, 8.055, 110.738**.

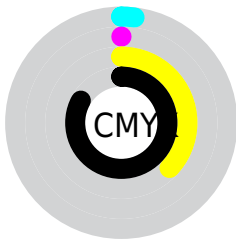
Distribution



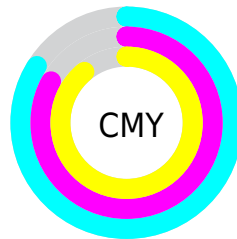
- Red (16%)
- Green (17%)
- Blue (11%)



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



- Cyan (2%)
- Magenta (0%)
- Yellow (37%)
- Black (83%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 10.966, 110.035 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, 10.966, 110.035 by changing the saturation by 10% instead.

■ 17, 10.966,
110.035

■ 17, 10.966,
110.035

■ 100, 10.966,
110.035

■ 7, 10.966, 110.035

■ 37, 10.966,
110.035

■ 0, 10.966, 110.035

■ 47, 10.966,
110.035


■ 57, 10.966,
110.035


■ 67, 10.966,
110.035


■ 77, 10.966,
110.035


■ 87, 10.966,

110.035


 97, 10.966,
110.035

 17, 10.966,
110.035


 17, 10.966,
110.035

 17, 13.818,
109.353


 17, 8.055, 110.738

 17, 16.571,
108.706


 17, 5.107, 111.441

 17, 18.964,
108.324

 17, 2.137, 112.137

 17, 20.899,
108.185

 18, 0.843, 292.848

 17, 22.637,
108.140

 18, 3.825, 293.507

 18, 6.803, 294.157

 18, 9.773, 294.786

■ 16, 24.378,
108.120

■ 18, 12.730,
295.389

■ 16, 24.868,
108.118

■ 19, 15.672,
295.967

Harmonies

Complementary

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



17, 10.966, 110.035



11, 11.787, 295.903

Rectangle

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



17, 10.966, 110.035



17, 10.966, 160.035



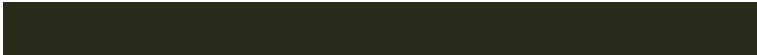
17, 10.966, 290.035



17, 10.966, 340.035

Sweetspot

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



17, 10.967, 110.038



23, 4.093, 111.827



12, 8.173, 25.686



10, 2.679, 111.839



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, 10.967, 110.038



23, 16.478, 109.316



16, 11.914, 129.431



6, 1.304, 112.731



34, 43.375, 106.407



81, 84.456, 106.738

Inverse Universe

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



11, 11.787, 295.903



13, 18.164, 297.133



11, 12.361, 312.171



6, 1.307, 292.546



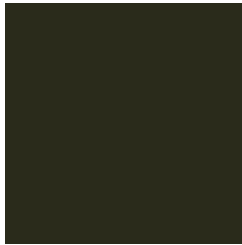
6, 58.624, 306.336



26, 115.965, 306.446

Previews

White Background



This preview shows how the CIE LCh color 17, 10.966, 110.035 looks on a white background.

Color Contrast Check

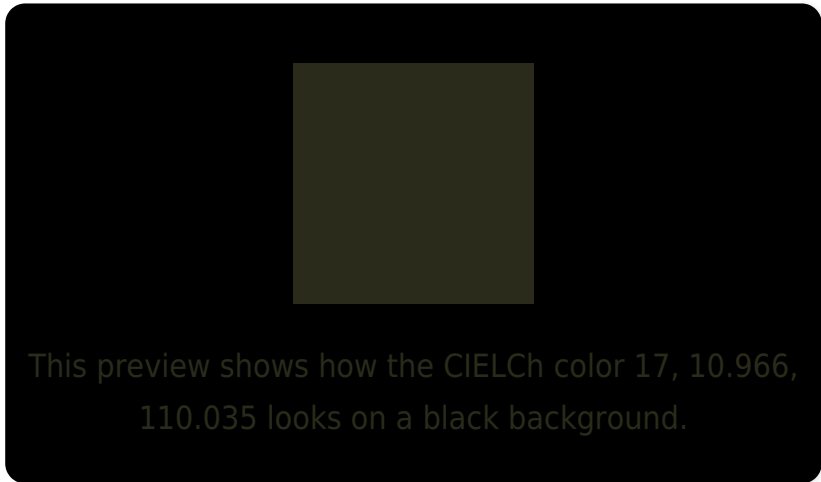
Large Text (above 18pt) WCAG AA ✓ Pass

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, 10.966, 110.035

Background



This preview shows how black text looks on a background with the CIELCh color 17, 10.966, 110.035.

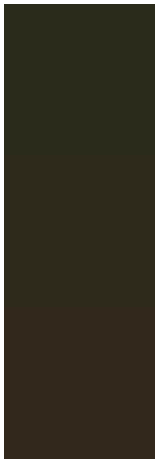


This preview shows how white text looks on a background with the CIELCh color 17, 10.966, 110.035.

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, 10.966, 110.035

Protanopia
17, 10.539, 95.765

Deuteranopia
17, 9.972, 75.418



Tritanopia
17, 2.541, 324.707

Trichromacy



Original Color
17, 10.966, 110.035

Protanomaly
17, 10.438, 98.642

Deuteranomaly
17, 9.558, 88.247

Tritanomaly
17, 2.810, 99.327

Monochromacy



Original Color
17, 10.966, 110.035

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, 10.966, 110.035 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(42, 43, 27)` looks like.

```
.text, #text, p{  
    color:rgb(42, 43, 27)  
}
```

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(42, 43, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 43, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 10.966, 110.035 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(42, 43, 27) }
```

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

```
.border{ border-color:rgb(42, 43, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 43, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 43, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 43, 27);  
box-shadow:4px 4px 4px 4px rgb(42, 43, 27)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 10.966, 110.035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 43, 27) }
```

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

```
.background{ background-color: rgb(42, 43,  
27) }
```

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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