

Converting Colors

CIELCh(17, 33.062, 18.294)

Have a look what the booklet for
CIELCh(17, 33.062, 18.294) contains.

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Color

CIELCh(17, 32.956, 17.750)

Conversions

Conversions Part 1

Format	Color
Hex	53101D
RGB	83, 16, 29
RGB Percent	33%, 6%, 11%
CMY	0.6743, 0.9370, 0.8861
CMYK	0.00, 0.81, 0.65, 0.67
HSL	348°, 68%, 19%
HSV	348°, 81%, 33%
XYZ	3.9801, 2.3023, 1.3995
YIQ	37.5150, 35.7590, 18.2470

Conversions

Conversions Part 2

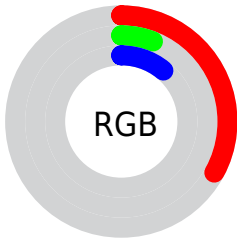
Format	Color
RYB	83, 16, 29
Decimal	5443613
CIELab	17.00, 31.39, 10.05
CIElCh	17, 32.956, 17.750
Yxy	2.3023, 0.5181, 0.2997
Android (android.graphics.Color)	4283633693 (0xFF53101D)
YUV	37.5150, -4.1979, 39.8903
Hunter-Lab	15.1734, 20.2681, 5.1527




Details

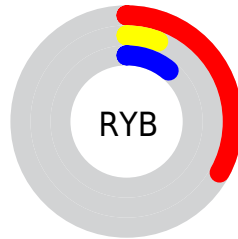
The CIELCh color **17, 32.956, 17.750** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **31, 23.832, 175.709**, and the grayscale version is **15, 0.003, 296.813**.




A 20% lighter version of the original color is **37, 33.054, 18.202**, and **3, 13.206, 17.655** is the 20% darker color. If you saturate the color by 10%, you get **16, 36.319, 21.596**, and if you desaturate by 10%, it is **19, 29.196, 14.546**.

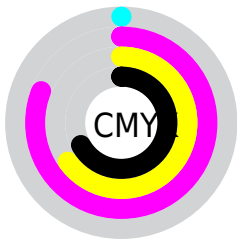
Distribution







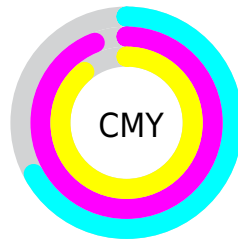
-  Red (33%)
-  Green (6%)
-  Blue (11%)






-  Red (33%)
-  Yellow (6%)
-  Blue (11%)



-  Cyan (0%)
-  Magenta (81%)
-  Yellow (65%)
-  Black (67%)



-  Cyan (67%)
-  Magenta (94%)
-  Yellow (89%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 32.956, 17.750 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, 32.956, 17.750 by changing the saturation by 10% instead.

 17, 32.956, 17.750

 17, 32.956, 17.750

 100, 32.956,
17.750

 7, 32.956, 17.750

 37, 32.956, 17.750

 0, 32.956, 17.750

 47, 32.956, 17.750

 57, 32.956, 17.750

 67, 32.956, 17.750

 77, 32.956, 17.750

 87, 32.956, 17.750

 97, 32.956, 17.750

17, 32.956, 17.750

17, 32.956, 17.750

16, 36.319, 21.596

19, 29.196, 14.546

15, 39.443, 24.085

20, 25.110, 11.957

22, 20.833, 9.870

25, 16.500, 8.172

27, 12.217, 6.772

30, 8.056, 5.593

32, 4.060, 4.569

35, 0.249, 2.691

38, 3.372, 183.116

Harmonies

Complementary

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



17, 32.956, 17.750



31, 23.832, 175.709

Rectangle

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



17, 32.956, 17.750



17, 32.956, 67.750



17, 32.956, 197.750



17, 32.956, 247.750

Sweetspot

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



17, 32.954, 17.752



37, 11.650, 6.058



17, 45.508, 321.369



17, 7.945, 6.301



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



17, 32.954, 17.752



21, 46.839, 25.704



21, 30.717, 48.710



15, 2.086, 4.376



20, 47.186, 26.695



49, 87.565, 30.771

Inverse Universe

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



17, 32.954, 17.752



21, 46.839, 25.704



25, 18.332, 244.830



15, 2.086, 4.376



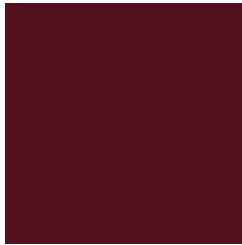
20, 47.186, 26.695



49, 87.565, 30.771

Previews

White Background



This preview shows how the CIE LCh color 17, 32.956, 17.750 looks on a white background.

Color Contrast Check

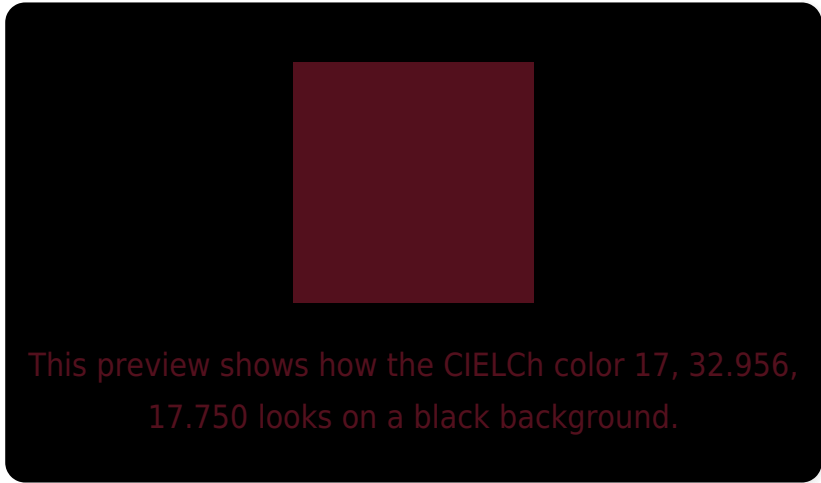
Large Text (above 18pt) WCAG AA ✓ Pass

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

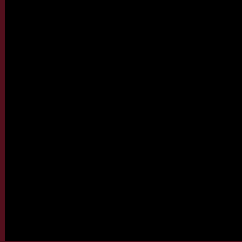
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 32.956, 17.750

Background



This preview shows how black text looks on a background with the CIELCh color 17, 32.956, 17.750.



This preview shows how white text looks on a background with the CIELCh color 17, 32.956, 17.750.

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, 32.956, 17.750

Protanopia

18, 2.915, 89.772

Deuteranopia

18, 12.880, 76.923



Tritanopia
17, 34.477, 29.872

Trichromacy



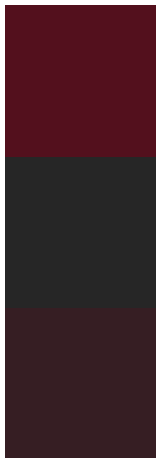
Original Color
17, 32.956, 17.750

Protanomaly
17, 12.868, 16.745

Deuteranomaly
17, 18.180, 36.434

Tritanomaly
17, 33.756, 25.151

Monochromacy



Original Color
17, 32.956, 17.750

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 12.628, 7.164

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 32.956, 17.750 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(83, 16, 29)` looks like.

```
.text, #text, p{  
    color:rgb(83, 16, 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(83, 16, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 16, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 32.956, 17.750 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(83, 16, 29) }
```

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

```
.border{ border-color:rgb(83, 16, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 16, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 16, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 16, 29);  
box-shadow:4px 4px 4px 4px rgb(83, 16, 29)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 32.956, 17.750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 16, 29) }
```

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

```
.background{ background-color: rgb(83, 16,  
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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