

Converting Colors

CIELCh(17, 33.325, 17.761)

Have a look what the booklet for
CIELCh(17, 33.325, 17.761) contains.

CIELCh(17, 33.270, 17.242)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(17, 33.270, 17.242)

Conversions

Conversions Part 1

Format	Color
Hex	530F1D
RGB	83, 15, 29
RGB Percent	33%, 6%, 11%
CMY	0.6729, 0.9394, 0.8850
CMYK	0.00, 0.81, 0.65, 0.67
HSL	348°, 69%, 19%
HSV	348°, 81%, 33%
XYZ	4.0068, 2.3023, 1.4162
YIQ	36.9280, 36.0340, 18.7700

Conversions

Conversions Part 2

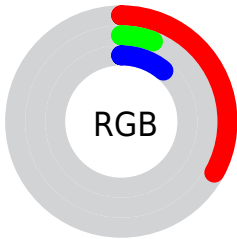
Format	Color
RYB	83, 15, 29
Decimal	5443357
CIELab	17.00, 31.77, 9.86
CIElCh	17, 33.270, 17.242
Yxy	2.3023, 0.5187, 0.2980
Android (android.graphics.Color)	4283633437 (0xFF530F1D)
YUV	36.9280, -3.9085, 40.4051
Hunter-Lab	15.1734, 20.5824, 5.0875

Details

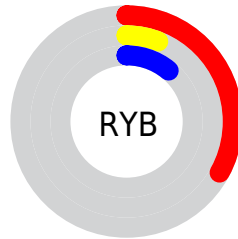
The CIELCh color **17, 33.270, 17.242** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **31, 24.299, 174.652**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 33.479, 17.436**, and **3, 13.206, 17.655** is the 20% darker color. If you saturate the color by 10%, you get **16, 36.565, 21.109**, and if you desaturate by 10%, it is **18, 29.581, 13.991**.

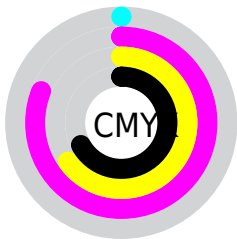
Distribution



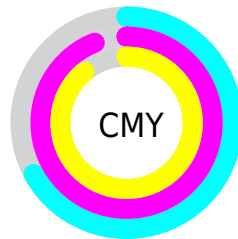
- Red (33%)
- Green (6%)
- Blue (11%)



- 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, 33.270, 17.242 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, 33.270, 17.242 by changing the saturation by 10% instead.

 17, 33.270, 17.242

 17, 33.270, 17.242

 100, 33.270,
17.242

 7, 33.270, 17.242

 37, 33.270, 17.242

 0, 33.270, 17.242

 47, 33.270, 17.242

 57, 33.270, 17.242

 67, 33.270, 17.242

 77, 33.270, 17.242

 87, 33.270, 17.242

 97, 33.270, 17.242

■ 17, 33.270, 17.242

■ 17, 33.270, 17.242

■ 16, 36.565, 21.109

■ 18, 29.581, 13.991

■ 15, 39.423, 23.497

■ 20, 25.538, 11.364

■ 22, 21.279, 9.246

■ 25, 16.942, 7.523

■ 27, 12.639, 6.101

■ 30, 8.448, 4.905

■ 32, 4.414, 3.867

■ 35, 0.560, 2.574

■ 38, 3.107, 182.385

Harmonies

Complementary

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



17, 33.270, 17.242



31, 24.299, 174.652

Rectangle

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



17, 33.270, 17.242



17, 33.270, 67.242



17, 33.270, 197.242



17, 33.270, 247.242

Sweetspot

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



17, 33.268, 17.244



38, 11.912, 5.286



17, 45.985, 320.842



18, 8.288, 5.552



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



17, 33.268, 17.244



22, 47.826, 25.446



20, 31.414, 47.400



15, 2.094, 3.591



20, 46.907, 25.889



49, 86.959, 30.009

Inverse Universe

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



17, 33.268, 17.244



22, 47.826, 25.446



25, 18.279, 242.263



15, 2.094, 3.591



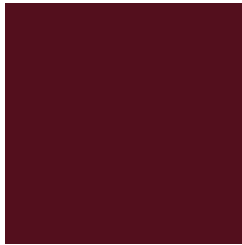
20, 46.907, 25.889



49, 86.959, 30.009

Previews

White Background



This preview shows how the CIELCh color 17, 33.270, 17.242 looks on a white background.

Color Contrast Check

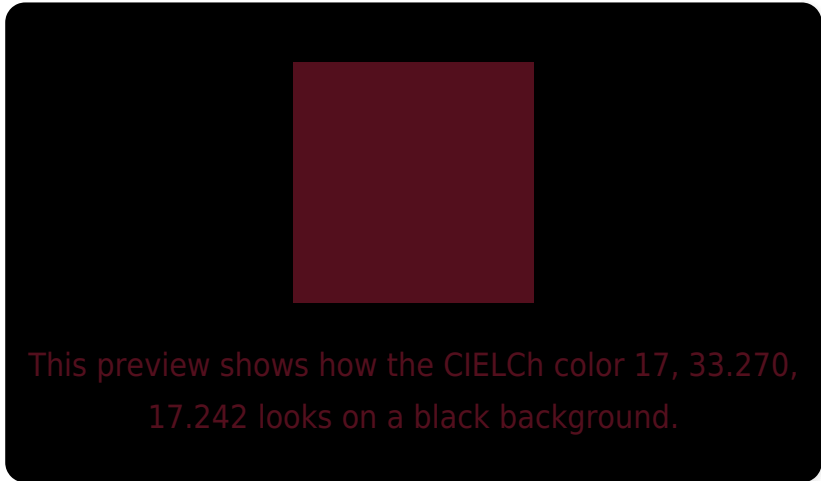
Large Text (above 18pt) WCAG AA ✓ Pass

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, 33.270, 17.242

Background



This preview shows how black text looks on a background with the CIELCh color 17, 33.270, 17.242.



This preview shows how white text looks on a background with the CIELCh color 17, 33.270, 17.242.

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, 33.270, 17.242

Protanopia

18, 2.275, 84.253

Deuteranopia

18, 12.880, 76.923



Tritanopia
17, 34.734, 30.778

Trichromacy



Original Color
17, 33.270, 17.242

Protanomaly
17, 13.356, 14.200

Deuteranomaly
17, 18.506, 34.368

Tritanomaly
17, 33.994, 26.234

Monochromacy



Original Color
17, 33.270, 17.242

Achromatopsia
15, 0.003, 296.813

Achromatomaly
14, 13.171, 8.063

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 33.270, 17.242 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, 15, 29)` looks like.

```
.text, #text, p{  
    color:rgb(83, 15, 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, 15, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 15, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 33.270, 17.242 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, 15, 29) }
```

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

```
.border{ border-color:rgb(83, 15, 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, 15, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 15, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 15, 29);  
box-shadow:4px 4px 4px 4px rgb(83, 15, 29)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 33.270, 17.242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 15, 29) }
```

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

```
.background{ background-color: rgb(83, 15,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor