

Converting Colors

CIELCh(18, 17.915, 7.844)

Have a look what the booklet for
CIELCh(18, 17.915, 7.844) contains.

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Color

CIELCh(18, 17.967, 7.093)

Conversions

Conversions Part 1

Format	Color
Hex	442129
RGB	68, 33, 41
RGB Percent	27%, 13%, 16%
CMY	0.7316, 0.8690, 0.8377
CMYK	0.00, 0.51, 0.40, 0.73
HSL	346°, 34%, 20%
HSV	346°, 51%, 27%
XYZ	3.3774, 2.5180, 2.4421
YIQ	44.3770, 18.2920, 9.9080

Conversions

Conversions Part 2

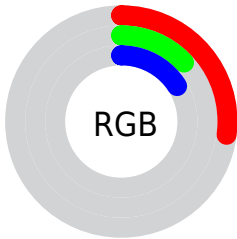
Format	Color
RYB	68, 33, 41
Decimal	4464937
CIELab	18.00, 17.83, 2.22
CIElCh	18, 17.967, 7.093
Yxy	2.5180, 0.4051, 0.3020
Android (android.graphics.Color)	4282655017 (0xFF442129)
YUV	44.3770, -1.6649, 20.7174
Hunter-Lab	15.8683, 10.2224, 1.9834

Details

The CIELCh color **18, 17.967, 7.093** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **26, 15.038, 176.558**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 18.230, 6.936**, and **1, 5.949, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **16, 21.565, 9.040**, and if you desaturate by 10%, it is **20, 14.303, 5.495**.

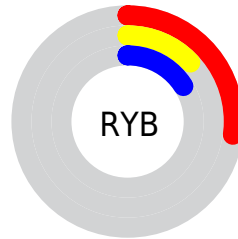
Distribution



 Red (27%)

 Green (13%)

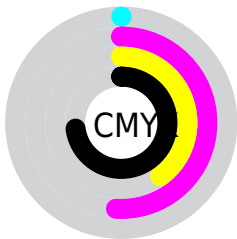
 Blue (16%)



 Red (27%)

 Yellow (13%)

 Blue (16%)

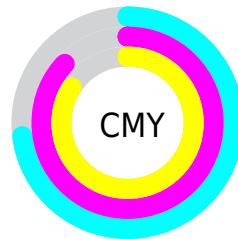


 Cyan (0%)


 Magenta (51%)

 Yellow (40%)

 Black (73%)



 Cyan (73%)

 Magenta (87%)

 Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 17.967, 7.093 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 18, 17.967, 7.093 by changing the saturation by 10% instead.

 18, 17.967, 7.093  18, 17.967, 7.093

 100, 17.967, 7.093  8, 17.967, 7.093

 38, 17.967, 7.093  0, 17.967, 7.093

 48, 17.967, 7.093

 58, 17.967, 7.093

 68, 17.967, 7.093

 78, 17.967, 7.093

 88, 17.967, 7.093

 98, 17.967, 7.093

 18, 17.967, 7.093  18, 17.967, 7.093

16, 21.565, 9.040

20, 14.303, 5.495

15, 24.990, 11.428

22, 10.664, 4.158

13, 28.122, 14.373

24, 7.109, 3.018

12, 30.980, 17.498

26, 3.677, 2.017

11, 33.586, 18.707

29, 0.387, 0.630

31, 2.756, 180.573

33, 5.753, 179.863

36, 8.610, 179.250

38, 11.336,
178.700

Harmonies

Complementary

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



18, 17.967, 7.093



26, 15.038, 176.558

Rectangle

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



18, 17.967, 7.093



18, 17.967, 57.093



18, 17.967, 187.093



18, 17.967, 237.093

Sweetspot

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



18, 17.966, 7.095



34, 6.198, 2.447



18, 26.184, 319.727



16, 4.274, 2.546



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



18, 17.966, 7.095



22, 26.791, 9.550



20, 15.277, 45.891



12, 1.768, 1.754



18, 43.730, 23.381



47, 83.385, 28.047

Inverse Universe

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



18, 17.966, 7.095



22, 26.791, 9.550



23, 11.194, 232.124



12, 1.768, 1.754



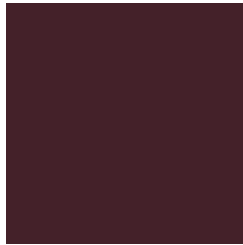
18, 43.730, 23.381



47, 83.385, 28.047

Previews

White Background



This preview shows how the CIE LCh color 18, 17.967, 7.093 looks on a white background.

Color Contrast Check

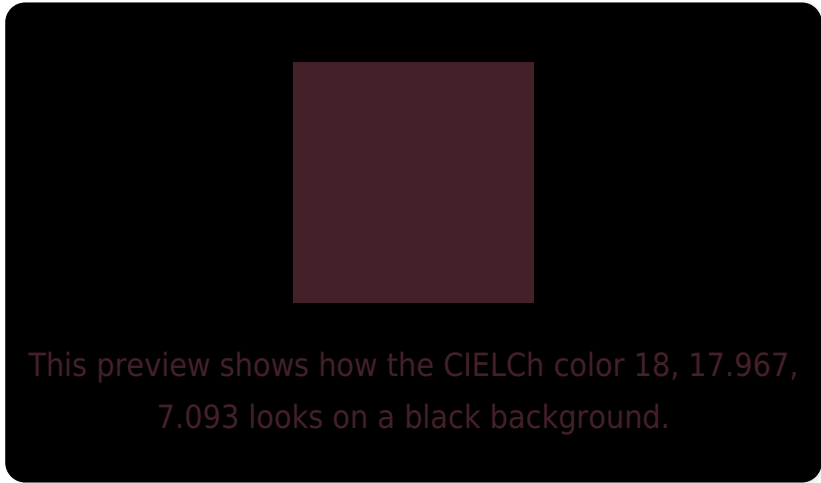
Large Text (above 18pt) WCAG AA ✓ Pass

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

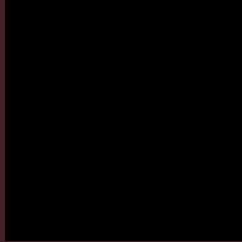
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 17.967, 7.093

Background



This preview shows how black text looks on a background with the CIELCh color 18, 17.967, 7.093.



This preview shows how white text looks on a background with the CIELCh color 18, 17.967, 7.093.

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

18, 17.967, 7.093

Protanopia

18, 2.806, 300.344

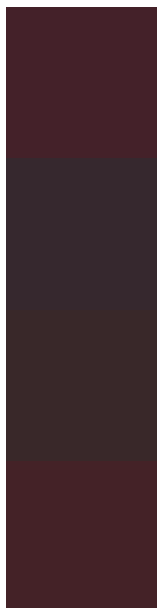
Deuteranopia

18, 4.497, 47.244



Tritanopia
18, 17.424, 17.478

Trichromacy



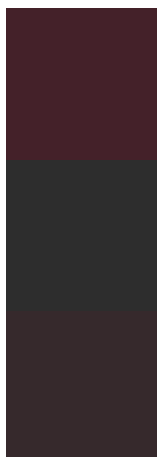
Original Color
18, 17.967, 7.093

Protanomaly
18, 7.871, 349.769

Deuteranomaly
18, 8.513, 16.838

Tritanomaly
18, 17.345, 13.016

Monochromacy



Original Color
18, 17.967, 7.093

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 6.650, 3.012

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 17.967, 7.093 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(68, 33, 41)` looks like.

```
.text, #text, p{  
    color:rgb(68, 33, 41)  
}
```

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(68, 33, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 33, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 17.967, 7.093 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(68, 33, 41) }
```

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

```
.border{ border-color:rgb(68, 33, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 33, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 33, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 33, 41);  
box-shadow:4px 4px 4px 4px rgb(68, 33, 41)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 17.967, 7.093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 33, 41) }
```

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

```
.background{ background-color: rgb(68, 33,  
41) }
```

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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