

Converting Colors

CIE LCh(17, 18.148, 5.178)

Have a look what the booklet for
CIELCh(17, 18.148, 5.178) contains.

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Color

CIELCh(17, 18.148, 5.178)

Conversions

Conversions Part 1

Format	Color
Hex	421F28
RGB	66, 31, 40
RGB Percent	26%, 12%, 16%
CMY	0.7407, 0.8780, 0.8427
CMYK	0.00, 0.53, 0.39, 0.74
HSL	345°, 36%, 19%
HSV	345°, 53%, 26%
XYZ	3.1330, 2.3023, 2.2965
YIQ	42.4910, 17.9710, 10.2190

Conversions

Conversions Part 2

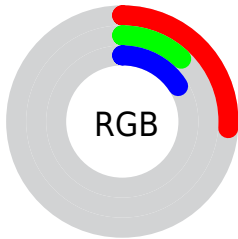
Format	Color
R_{YB}	66, 31, 40
Decimal	4333352
CIE _{Lab}	17.00, 18.07, 1.64
CIE _{LCh}	17, 18.148, 5.178
Yxy	2.3023, 0.4052, 0.2978
Android (android.graphics.Color)	4282523432 (0xFF421F28)
YUV	42.4910, -1.2281, 20.6174
Hunter-Lab	15.1734, 10.3025, 1.6477

Details

The CIELCh color **17, 18.148, 5.178** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **25, 15.386, 174.164**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 18.399, 5.140**, and **1, 3.677, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **15, 21.588, 7.128**, and if you desaturate by 10%, it is **19, 14.608, 3.572**.

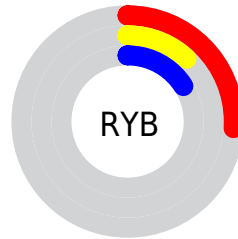
Distribution



 Red (26%)

 Green (12%)

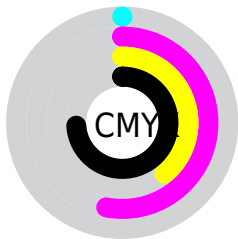
 Blue (16%)




 Red (26%)

 Yellow (12%)

 Blue (16%)

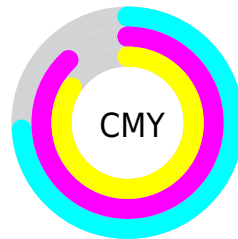


 Cyan (0%)

 Magenta (53%)

 Yellow (39%)

 Black (74%)



 Cyan (74%)

 Magenta (88%)

 Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 18.148, 5.178 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, 18.148, 5.178 by changing the saturation by 10% instead.

 17, 18.148, 5.178  17, 18.148, 5.178

 100, 18.148, 5.178  7, 18.148, 5.178

 37, 18.148, 5.178  0, 18.148, 5.178

 47, 18.148, 5.178

 57, 18.148, 5.178

 67, 18.148, 5.178

 77, 18.148, 5.178

 87, 18.148, 5.178

 97, 18.148, 5.178

 17, 18.148, 5.178  17, 18.148, 5.178

15, 21.588, 7.128

19, 14.608, 3.572

14, 24.817, 9.516

21, 11.063, 2.224

12, 27.719, 12.458

23, 7.578, 1.071

11, 30.461, 15.347

25, 4.195, 0.060

11, 32.528, 16.275

27, 0.937, 359.010

30, 2.186, 178.587

32, 5.172, 177.842

34, 8.026, 177.208

36, 10.755,
176.638

Harmonies

Complementary

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



17, 18.148, 5.178



25, 15.386, 174.164

Rectangle

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



17, 18.148, 5.178



17, 18.148, 55.178



17, 18.148, 185.178



17, 18.148, 235.178

Sweetspot

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



17, 18.147, 5.180



32, 6.541, 0.426



17, 26.153, 318.735



15, 4.352, 0.497



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



17, 18.147, 5.180



21, 27.439, 7.984



19, 15.675, 42.725



12, 1.790, 359.636



18, 43.131, 20.964



47, 81.895, 25.675

Inverse Universe

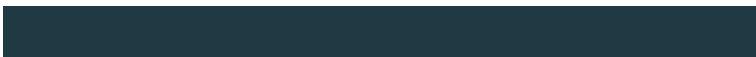
The Inverse Universe completely reimagines the original color for something new.



17, 18.147, 5.180



21, 27.439, 7.984



23, 11.196, 227.372



12, 1.790, 359.636



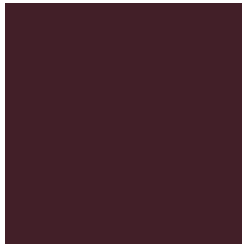
18, 43.131, 20.964



47, 81.895, 25.675

Previews

White Background



This preview shows how the CIE LCh color 17, 18.148, 5.178 looks on a white background.

Color Contrast Check

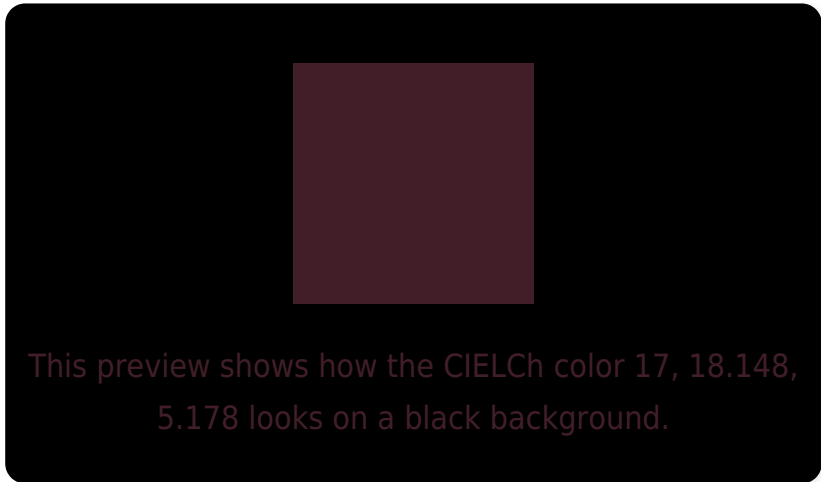
Large Text (above 18pt) WCAG AA ✓ Pass

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

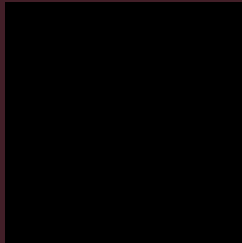
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 18.148, 5.178

Background



This preview shows how black text looks on a background with the CIELCh color 17, 18.148, 5.178.



This preview shows how white text looks on a background with the CIELCh color 17, 18.148, 5.178.

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, 18.148, 5.178

Protanopia

17, 3.476, 291.078

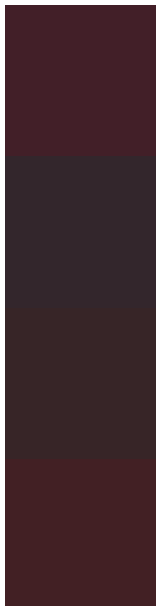
Deuteranopia

17, 3.753, 41.618



Tritanopia
17, 17.643, 19.900

Trichromacy



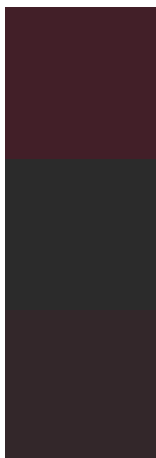
Original Color
17, 18.148, 5.178

Protanomaly
17, 7.515, 347.726

Deuteranomaly
17, 9.137, 13.077

Tritanomaly
17, 17.494, 15.472

Monochromacy



Original Color
17, 18.148, 5.178

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 6.226, 1.515

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 18.148, 5.178 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(66, 31, 40)` looks like.

```
.text, #text, p{  
    color:rgb(66, 31, 40)  
}
```

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(66, 31, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 31, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 18.148, 5.178 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(66, 31, 40) }
```

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

```
.border{ border-color:rgb(66, 31, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 31, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 31, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 31, 40);  
box-shadow:4px 4px 4px 4px rgb(66, 31, 40)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 18.148, 5.178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 31, 40) }
```

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

```
.background{ background-color: rgb(66, 31,  
40) }
```

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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