

Converting Colors

CIELCh(18, 18.047, 4.952)

Have a look what the booklet for
CIELCh(18, 18.047, 4.952) contains.

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Color

CIELCh(18, 18.047, 4.952)

Conversions

Conversions Part 1

Format	Color
Hex	44212A
RGB	68, 33, 42
RGB Percent	27%, 13%, 16%
CMY	0.7319, 0.8693, 0.8340
CMYK	0.00, 0.51, 0.38, 0.73
HSL	345°, 34%, 20%
HSV	345°, 51%, 27%
XYZ	3.3867, 2.5180, 2.5289
YIQ	44.4910, 17.9710, 10.2190

Conversions

Conversions Part 2

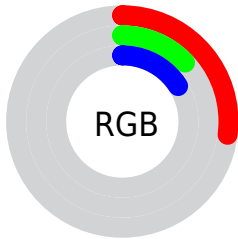
Format	Color
R_{YB}	68, 33, 42
Decimal	4464938
CIE _{Lab}	18.00, 17.98, 1.56
CIE _{LCh}	18, 18.047, 4.952
Yxy	2.5180, 0.4016, 0.2986
Android (android.graphics.Color)	4282655018 (0xFF44212A)
YUV	44.4910, -1.2281, 20.6174
Hunter-Lab	15.8683, 10.3266, 1.6590

Details

The CIELCh color **18, 18.047, 4.952** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **26, 15.367, 174.337**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 18.327, 5.064**, and **1, 6.390, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **16, 21.605, 6.861**, and if you desaturate by 10%, it is **20, 14.401, 3.379**.

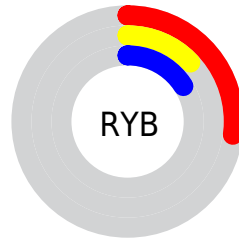
Distribution



Red (27%)

Green (13%)

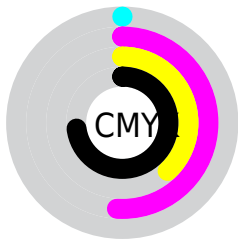
Blue (16%)



Red (27%)

Yellow (13%)

Blue (16%)

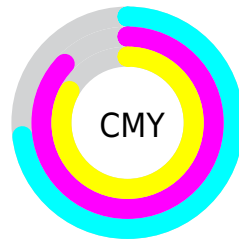


Cyan (0%)

Magenta (51%)

Yellow (38%)

Black (73%)



Cyan (73%)

Magenta (87%)

Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 18.047, 4.952 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, 18.047, 4.952 by changing the saturation by 10% instead.

 18, 18.047, 4.952  18, 18.047, 4.952

 100, 18.047, 4.952  8, 18.047, 4.952

 38, 18.047, 4.952  0, 18.047, 4.952

 48, 18.047, 4.952


 58, 18.047, 4.952

 68, 18.047, 4.952

 78, 18.047, 4.952

 88, 18.047, 4.952

 98, 18.047, 4.952

 18, 18.047, 4.952  18, 18.047, 4.952

16, 21.605, 6.861

20, 14.401, 3.379

15, 24.962, 9.199

22, 10.761, 2.055

13, 27.995, 12.081

24, 7.192, 0.922

12, 30.758, 15.325

26, 3.733, 359.922

11, 33.342, 16.896

29, 0.406, 358.567

31, 2.780, 178.460

33, 5.825, 177.740

36, 8.735, 177.116

38, 11.517,
176.553

Harmonies

Complementary

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



18, 18.047, 4.952



26, 15.367, 174.337

Rectangle

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



18, 18.047, 4.952



18, 18.047, 54.952



18, 18.047, 184.952



18, 18.047, 234.952

Sweetspot

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



18, 18.046, 4.954



34, 6.268, 0.348



18, 26.045, 318.690



16, 4.322, 0.447



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, 18.046, 4.954



22, 26.830, 7.354



20, 15.521, 42.701



12, 1.790, 359.654



18, 43.136, 20.985



47, 81.907, 25.696

Inverse Universe

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



18, 18.046, 4.954



22, 26.830, 7.354



24, 11.206, 227.188



12, 1.790, 359.654



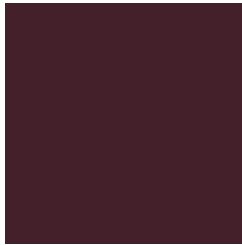
18, 43.136, 20.985



47, 81.907, 25.696

Previews

White Background



This preview shows how the CIELCh color 18, 18.047, 4.952 looks on a white background.

Color Contrast Check

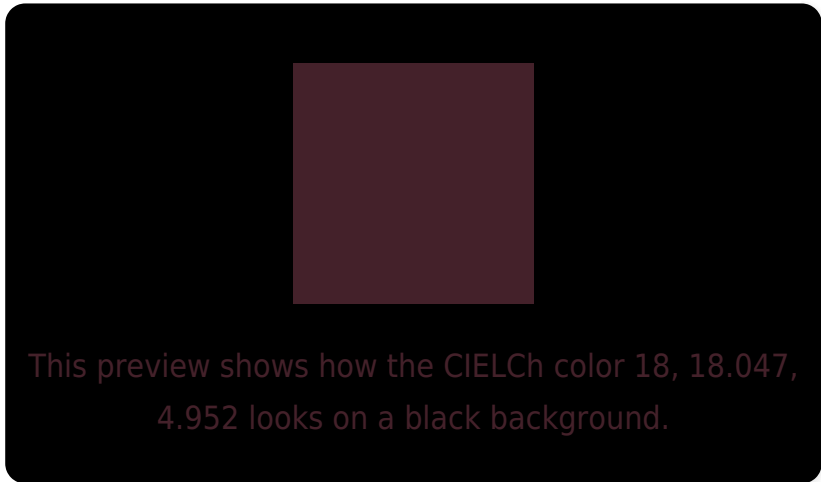
Large Text (above 18pt) WCAG AA ✓ Pass

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

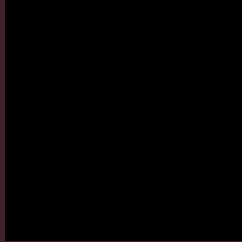
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 18.047, 4.952

Background



This preview shows how black text looks on a background with the CIELCh color 18, 18.047, 4.952.



This preview shows how white text looks on a background with the CIELCh color 18, 18.047, 4.952.

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, 18.047, 4.952

Protanopia

18, 3.452, 291.048

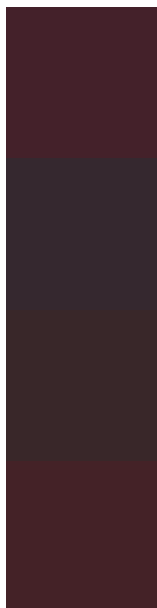
Deuteranopia

18, 3.722, 41.626



Tritanopia
18, 17.424, 17.478

Trichromacy



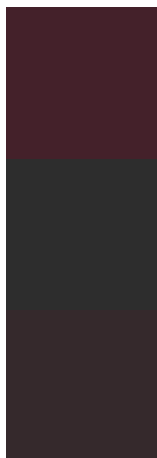
Original Color
18, 18.047, 4.952

Protanomaly
18, 7.836, 343.372

Deuteranomaly
18, 9.065, 12.972

Tritanomaly
18, 17.345, 13.016

Monochromacy



Original Color
18, 18.047, 4.952

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 6.181, 1.444

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 18.047, 4.952 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, 42)` looks like.

```
.text, #text, p{  
    color:rgb(68, 33, 42)  
}
```

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, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 33, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 18.047, 4.952 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, 42) }
```

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

```
.border{ border-color:rgb(68, 33, 42) }
```

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, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 33, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 33, 42);  
box-shadow:4px 4px 4px 4px rgb(68, 33, 42)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 18.047, 4.952 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, 42) }
```

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

```
.background{ background-color: rgb(68, 33,  
42) }
```

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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