

Converting Colors

CIELCh(18, 19.228, 15.284)

Have a look what the booklet for
CIELCh(18, 19.228, 15.284) contains.

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Color

CIELCh(18, 18.932, 16.533)

Conversions

Conversions Part 1

Format	Color
Hex	462125
RGB	70, 33, 37
RGB Percent	27%, 13%, 15%
CMY	0.7257, 0.8708, 0.8551
CMYK	0.00, 0.53, 0.47, 0.73
HSL	354°, 36%, 20%
HSV	354°, 53%, 27%
XYZ	3.3972, 2.5180, 2.0531
YIQ	44.5190, 20.7680, 9.0880

Conversions

Conversions Part 2

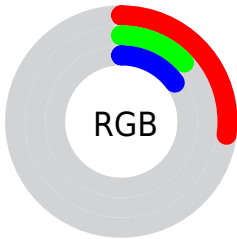
Format	Color
RYB	70, 33, 37
Decimal	4596005
CIELab	18.00, 18.15, 5.39
CIElCh	18, 18.932, 16.533
Yxy	2.5180, 0.4263, 0.3160
Android (android.graphics.Color)	4282786085 (0xFF462125)
YUV	44.5190, -3.7069, 22.3468
Hunter-Lab	15.8683, 10.4445, 3.4365

Details

The CIELCh color **18, 18.932, 16.533** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **27, 14.501, 186.685**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 18.986, 16.924**, and **1, 6.850, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **16, 22.828, 18.609**, and if you desaturate by 10%, it is **20, 15.053, 14.862**.

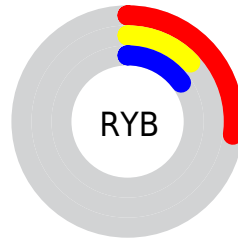
Distribution



Red (27%)

Green (13%)

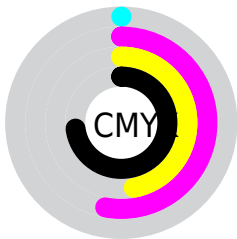
Blue (15%)



Red (27%)

Yellow (13%)

Blue (15%)

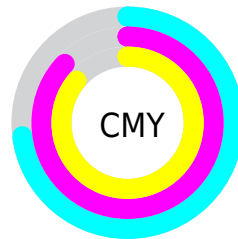


Cyan (0%)

Magenta (53%)

Yellow (47%)

Black (73%)



Cyan (73%)

Magenta (87%)

Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 18.932, 16.533 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, 18.932, 16.533 by changing the saturation by 10% instead.

18, 18.932, 16.533

18, 18.932, 16.533

100, 18.932,
16.533

8, 18.932, 16.533

0, 18.932, 16.533

38, 18.932, 16.533

48, 18.932, 16.533

58, 18.932, 16.533

68, 18.932, 16.533

78, 18.932, 16.533

88, 18.932, 16.533

98, 18.932, 16.533

■ 18, 18.932, 16.533

■ 18, 18.932, 16.533

■ 16, 22.828, 18.609

■ 20, 15.053, 14.862

■ 15, 26.645, 21.175

■ 22, 11.272, 13.499

■ 13, 30.166, 23.848

■ 24, 7.639, 12.374

■ 12, 33.109, 25.140

■ 27, 4.182, 11.419

■ 11, 35.156, 24.951

■ 29, 0.911, 10.420

■ 31, 2.174, 190.145

■ 34, 5.083, 189.500

■ 36, 7.828, 188.978

■ 39, 10.422,
188.524

Harmonies

Complementary

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



18, 18.932, 16.533



27, 14.501, 186.685

Rectangle

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



18, 18.932, 16.533



18, 18.932, 66.533



18, 18.932, 196.533



18, 18.932, 246.533

Sweetspot

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



18, 18.931, 16.536



34, 6.576, 11.764



19, 28.039, 323.384



16, 4.385, 11.840



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, 18.931, 16.536



22, 28.735, 19.254



22, 15.690, 57.592



13, 1.817, 11.038



19, 47.281, 31.218



47, 91.007, 36.033

Inverse Universe

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



18, 18.931, 16.536



22, 28.735, 19.254



22, 12.325, 249.443



13, 1.817, 11.038



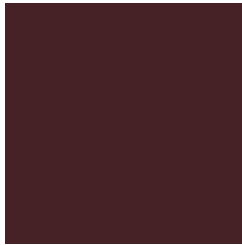
19, 47.281, 31.218



47, 91.007, 36.033

Previews

White Background



This preview shows how the CIELCh color 18, 18.932, 16.533 looks on a white background.

Color Contrast Check

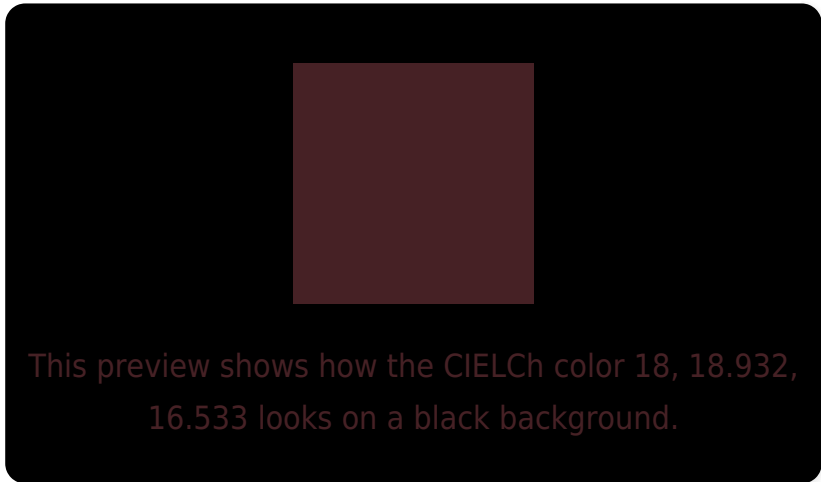
Large Text (above 18pt) WCAG AA ✓ Pass

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

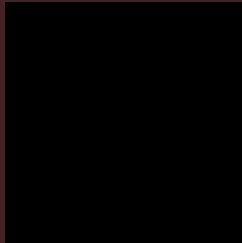
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 18.932, 16.533

Background



This preview shows how black text looks on a background with the CIELCh color 18, 18.932, 16.533.

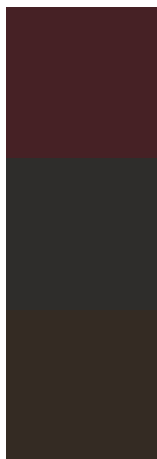


This preview shows how white text looks on a background with the CIELCh color 18, 18.932, 16.533.

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, 18.932, 16.533

Protanopia

19, 1.447, 90.410

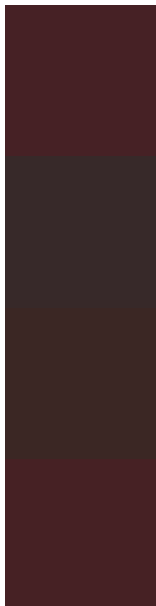
Deuteranopia

18, 7.234, 68.891



Tritanopia
18, 19.112, 20.583

Trichromacy



Original Color

18, 18.932, 16.533

Protanomaly

18, 6.982, 20.989

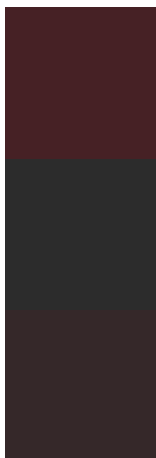
Deuteranomaly

18, 10.621, 32.760

Tritanomaly

18, 19.008, 18.568

Monochromacy



Original Color

18, 18.932, 16.533

Achromatopsia

18, 0.003, 296.813

Achromatomaly

18, 6.481, 14.860

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 18.932, 16.533 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(70, 33, 37)` looks like.

```
.text, #text, p{  
    color:rgb(70, 33, 37)  
}
```

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(70, 33, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 33, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 18.932, 16.533 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(70, 33, 37) }
```

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

```
.border{ border-color:rgb(70, 33, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 33, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 33, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 33, 37);  
box-shadow:4px 4px 4px 4px rgb(70, 33, 37)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 18.932, 16.533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 33, 37) }
```

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

```
.background{ background-color: rgb(70, 33,  
37) }
```

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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