

Converting Colors

CIELCh(19, 48.938, 32.944)

Have a look what the booklet for
CIELCh(19, 48.938, 32.944) contains.

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Color

CIELCh(19, 48.843, 33.462)

Conversions

Conversions Part 1

Format	Color
Hex	650006
RGB	101, 0, 6
RGB Percent	40%, 0%, 2%
CMY	0.6054, 1.0000, 0.9783
CMYK	0.00, 1.00, 0.94, 0.61
HSL	357°, 100%, 20%
HSV	357°, 100%, 39%
XYZ	5.3491, 2.7468, 0.4074
YIQ	30.8830, 58.2700, 23.2780

Conversions

Conversions Part 2

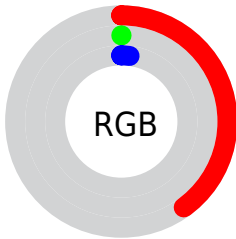
Format	Color
R_{YB}	101, 0, 6
Decimal	6619142
CIE _{Lab}	19.00, 40.75, 26.93
CIE _{LCh}	19, 48.843, 33.462
Yxy	2.7468, 0.6291, 0.3230
Android (android.graphics.Color)	4284809222 (0xFF650006)
YUV	30.8830, -12.2673, 61.4926
Hunter-Lab	16.5735, 28.6069, 10.1440

Details

The CIELCh color **19, 48.843, 33.462** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **38, 26.457, 188.721**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 48.995, 33.102**, and **6, 25.161, 19.052** is the 20% darker color. If you saturate the color by 10%, you get **19, 48.769, 33.587**, and if you desaturate by 10%, it is **20, 45.167, 32.001**.

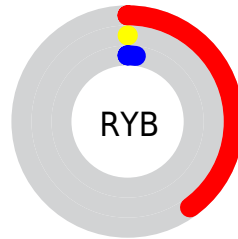
Distribution



Red (40%)

Green (0%)

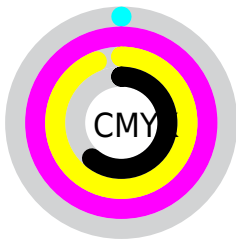
Blue (2%)



Red (40%)

Yellow (0%)

Blue (2%)

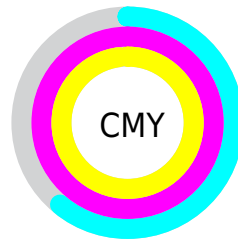


Cyan (0%)

Magenta (100%)

Yellow (94%)

Black (61%)



Cyan (61%)

Magenta (100%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 48.843, 33.462 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 19, 48.843, 33.462 by changing the saturation by 10% instead.

 19, 48.843, 33.462

 19, 48.843, 33.462

 100, 48.843,
33.462

 9, 48.843, 33.462

 39, 48.843, 33.462

 0, 48.843, 33.462

 49, 48.843, 33.462

 59, 48.843, 33.462

 69, 48.843, 33.462

 79, 48.843, 33.462

 89, 48.843, 33.462

 99, 48.843, 33.462

■ 19, 48.843, 33.462

■ 19, 48.843, 33.462

■ 19, 48.769, 33.587

■ 20, 45.167, 32.001

■ 21, 40.511, 28.547

■ 23, 35.300, 25.281

■ 25, 29.875, 22.606

■ 28, 24.404, 20.473

■ 30, 19.029, 18.786

■ 33, 13.855, 17.446

■ 36, 8.945, 16.367

■ 39, 4.326, 15.466

Harmonies

Complementary

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



19, 48.843, 33.462



38, 26.457, 188.721

Rectangle

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



19, 48.843, 33.462



19, 48.843, 83.462



19, 48.843, 213.462



19, 48.843, 263.462

Sweetspot

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



19, 48.769, 33.587



43, 17.154, 17.549



21, 58.614, 325.770



20, 11.904, 17.927



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



19, 48.769, 33.587



26, 60.472, 36.300



25, 42.766, 56.956



19, 2.447, 15.374



22, 54.511, 35.156



51, 98.443, 38.396

Inverse Universe

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



19, 48.769, 33.587



26, 60.472, 36.300



23, 30.337, 273.597



19, 2.447, 15.374



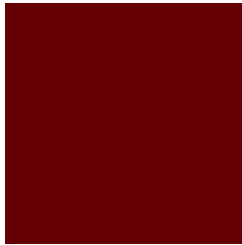
22, 54.511, 35.156



51, 98.443, 38.396

Previews

White Background



This preview shows how the CIELCh color 19, 48.843, 33.462 looks on a white background.

Color Contrast Check

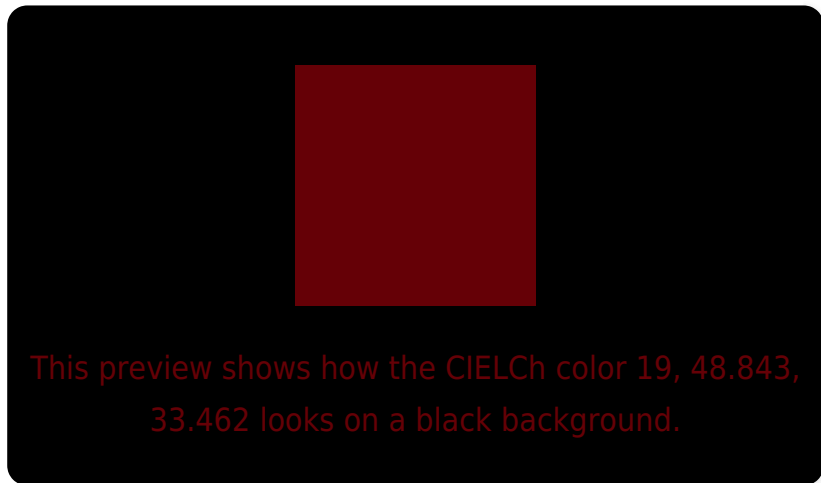
Large Text (above 18pt) WCAG AA ✓ Pass

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

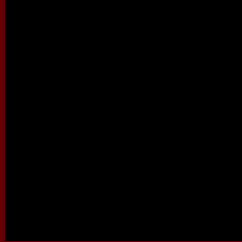
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 48.843, 33.462

Background



This preview shows how black text looks on a background with the CIELCh color 19, 48.843, 33.462.



This preview shows how white text looks on a background with the CIELCh color 19, 48.843, 33.462.

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

19, 48.843, 33.462

Protanopia

21, 23.267, 96.562

Deuteranopia

21, 29.560, 85.805



Tritanopia
20, 48.327, 38.235

Trichromacy



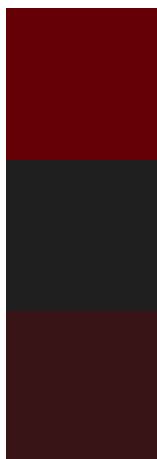
Original Color
19, 48.843, 33.462

Protanomaly
18, 27.894, 50.122

Deuteranomaly
18, 32.880, 52.726

Tritanomaly
19, 48.310, 36.606

Monochromacy



Original Color
19, 48.843, 33.462

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 19.608, 22.213

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 48.843, 33.462 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(101, 0, 6)` looks like.

```
.text, #text, p{  
    color:rgb(101, 0, 6)  
}
```

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(101, 0, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 0, 6) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 48.843, 33.462 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(101, 0, 6) }
```

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

```
.border{ border-color:rgb(101, 0, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 0, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 0, 6); -webkit-box-shadow:4px  
4px 4px 4px rgb(101, 0, 6); box-shadow:4px  
4px 4px 4px rgb(101, 0, 6) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 48.843, 33.462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 0, 6) }
```

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

```
.background{ background-color: rgb(101, 0,  
6) }
```

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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