

Converting Colors

CIELCh(19, 40.506, 33.623)

Have a look what the booklet for
CIELCh(19, 40.506, 33.623) contains.

| | |
|--|----|
| CIELCh(19, 40.447, 33.631) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 11 |
| <i>Previews</i> | 20 |
| <i>Color Blindness Simulation</i> | 23 |
| <i>CSS Examples</i> | 26 |

Color

CIELCh(19, 40.447, 33.631)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | 5D110F |
| RGB | 93, 17, 15 |
| RGB Percent | 36%, 7%, 6% |
| CMY | 0.6360, 0.9341, 0.9418 |
| CMYK | 0.00, 0.82, 0.84, 0.64 |
| HSL | 2°, 72%, 21% |
| HSV | 2°, 84%, 36% |
| XYZ | 4.7785, 2.7468, 0.7241 |
| YIQ | 39.4960, 45.9380, 15.4900 |

Conversions

Conversions Part 2

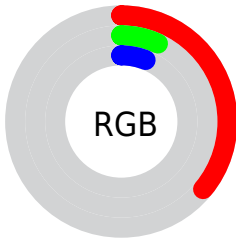
| Format | Color |
|-------------------------------------|-------------------------------|
| R_YB | 93, 17, 15 |
| Decimal | 6099215 |
| CIE _{Lab} | 19.00, 33.68, 22.40 |
| CIE _{LCh} | 19, 40.447, 33.631 |
| Yxy | 2.7468, 0.5793, 0.3330 |
| Android (android.graphics.Color) | 4284289295 (0xFF5D110F) |
| YUV | 39.4960, -12.0765, 46.9230 |
| Hunter-Lab | 16.5735, 22.4619, 9.0110 |

Details

The CIELCh color **19, 40.447, 33.631** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **35, 21.923, 199.899**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 40.595, 33.955**, and **4, 20.959, 18.495** is the 20% darker color. If you saturate the color by 10%, you get **18, 44.079, 34.837**, and if you desaturate by 10%, it is **21, 35.461, 31.154**.

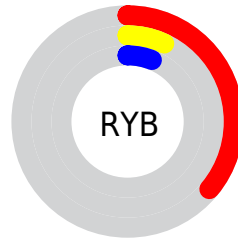
Distribution



Red (36%)

Green (7%)

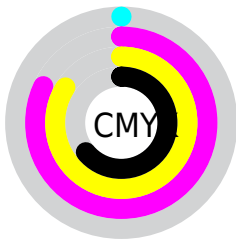
Blue (6%)



Red (36%)

Yellow (7%)

Blue (6%)

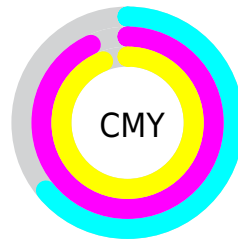


Cyan (0%)

Magenta (82%)

Yellow (84%)

Black (64%)



Cyan (64%)

Magenta (93%)

Yellow (94%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 40.447, 33.631 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, 40.447, 33.631 by changing the saturation by 10% instead.

 19, 40.447, 33.631

 19, 40.447, 33.631

 100, 40.447,
33.631

 9, 40.447, 33.631

 39, 40.447, 33.631

 0, 40.447, 33.631

 49, 40.447, 33.631

 59, 40.447, 33.631

 69, 40.447, 33.631

 79, 40.447, 33.631

 89, 40.447, 33.631

 99, 40.447, 33.631

■ 19, 40.447, 33.631

■ 19, 40.447, 33.631

■ 18, 44.079, 34.837

■ 21, 35.461, 31.154

■ 17, 46.104, 35.423

■ 22, 30.111, 28.703

■ 25, 24.775, 26.724

■ 27, 19.586, 25.168

■ 30, 14.633, 23.958

■ 32, 9.967, 23.017

■ 35, 5.606, 22.273

■ 38, 1.548, 21.566

■ 41, 2.222, 201.480

Harmonies

Complementary

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



19, 40.447, 33.631



35, 21.923, 199.899

Rectangle

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



19, 40.447, 33.631



19, 40.447, 83.631



19, 40.447, 213.631



19, 40.447, 263.631

Sweetspot

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



19, 40.445, 33.634



41, 12.887, 23.165



22, 50.382, 328.532



20, 8.937, 23.373



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



19, 40.445, 33.634



24, 57.639, 38.346



27, 33.423, 66.754



17, 2.178, 21.930



21, 53.388, 37.482



50, 98.671, 40.195

Inverse Universe

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



35, 21.923, 199.899



44, 27.711, 200.291



22, 27.991, 276.436



18, 2.068, 201.297



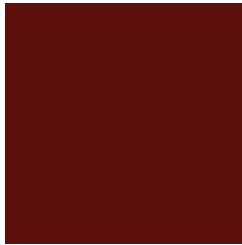
41, 26.017, 200.252



84, 45.761, 200.513

Previews

White Background



This preview shows how the CIE LCh color 19, 40.447, 33.631 looks on a white background.

Color Contrast Check

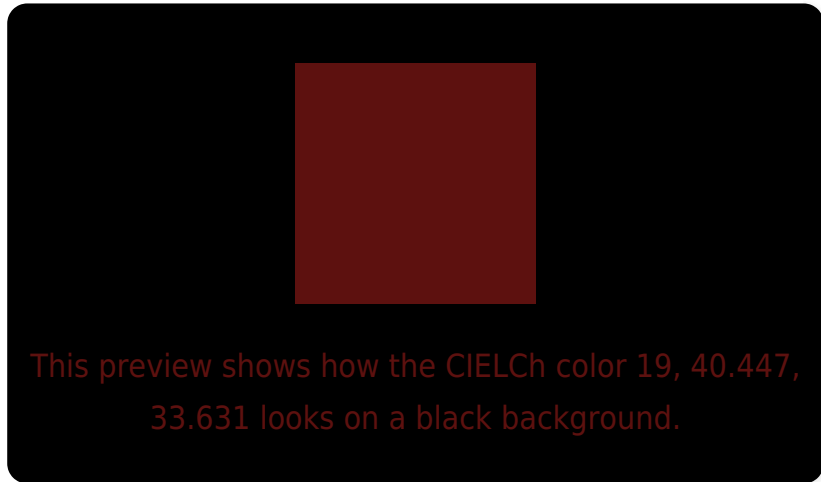
Large Text (above 18pt) WCAG AA ✓ Pass

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, 40.447, 33.631

Background



This preview shows how black text looks on a background with the CIELCh color 19, 40.447, 33.631.

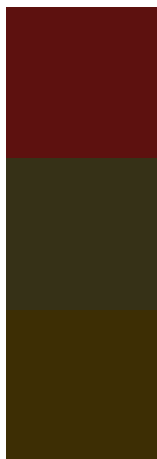


This preview shows how white text looks on a background with the CIELCh color 19, 40.447, 33.631.

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, 40.447, 33.631

Protanopia

20, 17.433, 97.078

Deuteranopia

20, 26.729, 85.538



Tritanopia
19, 40.191, 32.972

Trichromacy



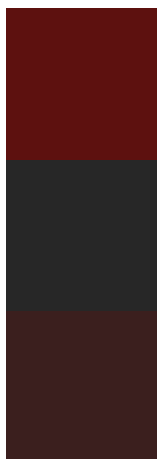
Original Color
19, 40.447, 33.631

Protanomaly
18, 21.624, 53.704

Deuteranomaly
19, 28.686, 56.533

Tritanomaly
19, 40.191, 32.972

Monochromacy



Original Color
19, 40.447, 33.631

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 14.969, 26.037

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 40.447, 33.631 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(93, 17, 15)` looks like.

```
.text, #text, p{  
    color:rgb(93, 17, 15)  
}
```

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(93, 17, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 17, 15) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 40.447, 33.631 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(93, 17, 15) }
```

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

```
.border{ border-color:rgb(93, 17, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 17, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 17, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 17, 15);  
box-shadow:4px 4px 4px 4px rgb(93, 17, 15)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 40.447, 33.631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 17, 15) }
```

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

```
.background{ background-color: rgb(93, 17,  
15) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor