

Converting Colors

CIELCh(19, 42.446, 10.711)

Have a look what the booklet for
CIELCh(19, 42.446, 10.711) contains.

CIELCh(19, 42.313, 10.717)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(19, 42.313, 10.717)

Conversions

Conversions Part 1

Format	Color
Hex	630025
RGB	99, 0, 37
RGB Percent	39%, 0%, 15%
CMY	0.6136, 1.0000, 0.8562
CMYK	0.00, 1.00, 0.63, 0.61
HSL	338°, 100%, 19%
HSV	338°, 100%, 39%
XYZ	5.4187, 2.7468, 1.9668
YIQ	33.8190, 47.1270, 32.4950

Conversions

Conversions Part 2

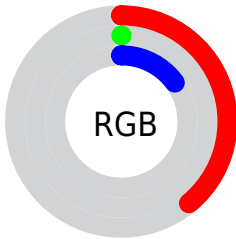
Format	Color
R_{YB}	99, 0, 37
Decimal	6488101
CIE Lab	19.00, 41.57, 7.87
CIE LCh	19, 42.313, 10.717
Yxy	2.7468, 0.5348, 0.2711
Android (android.graphics.Color)	4284678181 (0xFF630025)
YUV	33.8190, 1.5682, 57.1637
Hunter-Lab	16.5735, 29.3566, 4.5654

Details

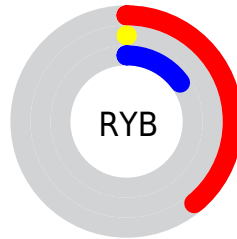
The CIELCh color **19, 42.313, 10.717** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **36, 37.451, 158.083**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 42.310, 11.080**, and **6, 25.787, 19.397** is the 20% darker color. If you saturate the color by 10%, you get **19, 42.184, 10.844**, and if you desaturate by 10%, it is **20, 39.684, 7.210**.

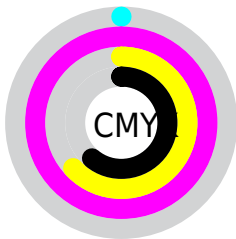
Distribution



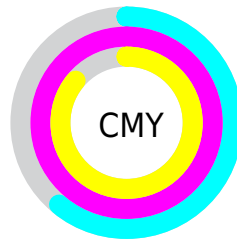
- Red (39%)
- Green (0%)
- Blue (15%)



- Red (39%)
- Yellow (0%)
- Blue (15%)



- Cyan (0%)
- Magenta (100%)
- Yellow (63%)
- Black (61%)



- Cyan (61%)
- Magenta (100%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 42.313, 10.717 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, 42.313, 10.717 by changing the saturation by 10% instead.

■ 19, 42.313, 10.717

■ 19, 42.313, 10.717

■ 100, 42.313,
10.717

■ 9, 42.313, 10.717

■ 39, 42.313, 10.717

■ 0, 42.313, 10.717

■ 49, 42.313, 10.717

■ 59, 42.313, 10.717

■ 69, 42.313, 10.717

■ 79, 42.313, 10.717

■ 89, 42.313, 10.717

■ 99, 42.313, 10.717

■ 19, 42.313, 10.717

■ 19, 42.313, 10.717

■ 19, 42.184, 10.844

■ 20, 39.684, 7.210

■ 21, 36.999, 3.728

■ 23, 33.486, 0.942

■ 25, 29.292,
358.704

■ 27, 24.629,
356.881

■ 30, 19.701,
355.368

■ 33, 14.674,
354.084

■ 36, 9.669, 352.971

■ 39, 4.763, 351.975

Harmonies

Complementary

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



19, 42.313, 10.717



36, 37.451, 158.083

Rectangle

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



19, 42.313, 10.717



19, 42.313, 60.717



19, 42.313, 190.717



19, 42.313, 240.717

Sweetspot

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



19, 42.184, 10.844



42, 18.151, 354.188



15, 60.354, 315.510



20, 12.305, 354.537



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



19, 42.184, 10.844



26, 50.815, 12.515



20, 47.323, 38.865



18, 2.630, 351.864



22, 46.299, 11.728



51, 81.672, 15.364

Inverse Universe

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



19, 42.184, 10.844



26, 50.815, 12.515



33, 22.077, 216.199



18, 2.630, 351.864



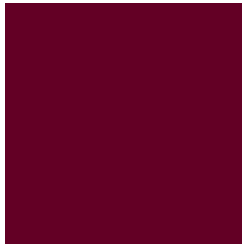
22, 46.299, 11.728



51, 81.672, 15.364

Previews

White Background



This preview shows how the CIE LCh color 19, 42.313, 10.717 looks on a white background.

Color Contrast Check

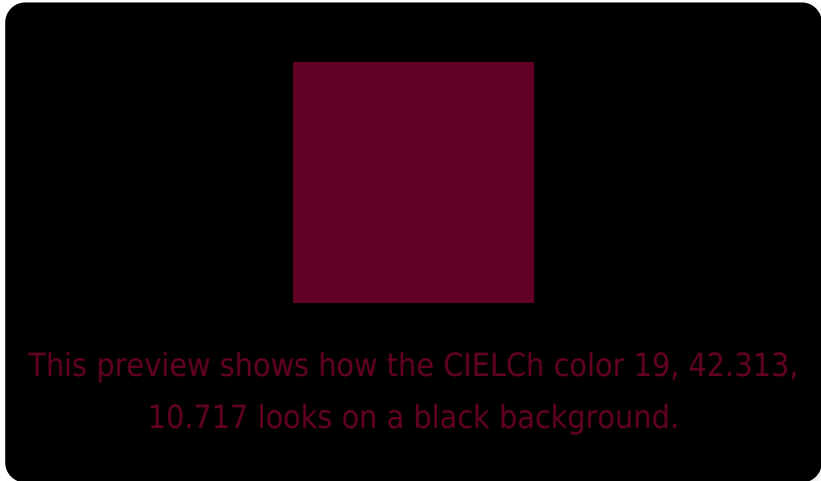
Large Text (above 18pt) WCAG AA ✓ Pass

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

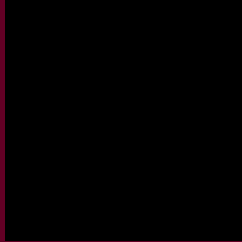
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 42.313, 10.717

Background



This preview shows how black text looks on a background with the CIELCh color 19, 42.313, 10.717.



This preview shows how white text looks on a background with the CIELCh color 19, 42.313, 10.717.

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, 42.313, 10.717

Protanopia

21, 2.752, 300.303

Deuteranopia

21, 12.887, 75.410



Tritanopia
20, 43.395, 33.886

Trichromacy



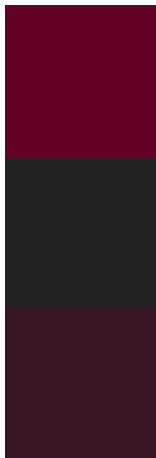
Original Color
19, 42.313, 10.717

Protanomaly
18, 19.764, 352.039

Deuteranomaly
18, 22.674, 20.799

Tritanomaly
20, 42.248, 26.553

Monochromacy



Original Color
19, 42.313, 10.717

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 19.095, 358.026

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 42.313, 10.717 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(99, 0, 37)` looks like.

```
.text, #text, p{  
    color:rgb(99, 0, 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(99, 0, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 0, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 42.313, 10.717 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(99, 0, 37) }
```

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

```
.border{ border-color:rgb(99, 0, 37) }
```

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

Here you see how a box with a 4 pixel rgb(99, 0, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 0, 37); -webkit-box-shadow:4px  
4px 4px 4px rgb(99, 0, 37); box-shadow:4px  
4px 4px 4px rgb(99, 0, 37) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 42.313, 10.717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 0, 37) }
```

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

```
.background{ background-color: rgb(99, 0,  
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](#).

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