

Converting Colors

CIELCh(19, 37.244, 15.325)

Have a look what the booklet for
CIELCh(19, 37.244, 15.325) contains.

CIELCh(19, 37.072, 15.039)	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, 37.072, 15.039)

Conversions

Conversions Part 1

Format	Color
Hex	5D0E22
RGB	93, 14, 34
RGB Percent	36%, 5%, 13%
CMY	0.6357, 0.9456, 0.8670
CMYK	0.00, 0.85, 0.63, 0.64
HSL	345°, 74%, 21%
HSV	345°, 85%, 36%
XYZ	4.9455, 2.7468, 1.7764
YIQ	39.9010, 40.6640, 22.9680

Conversions

Conversions Part 2

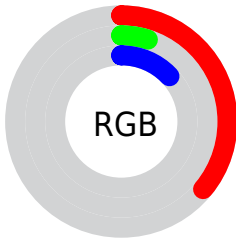
Format	Color
R_{YB}	93, 14, 34
Decimal	6098466
CIE Lab	19.00, 35.80, 9.62
CIE LCh	19, 37.072, 15.039
Yxy	2.7468, 0.5223, 0.2901
Android (android.graphics.Color)	4284288546 (0xFF5D0E22)
YUV	39.9010, -2.9092, 46.5678
Hunter-Lab	16.5735, 24.2605, 5.2465

Details

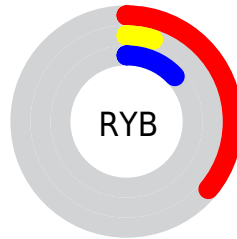
The CIELCh color **19, 37.072, 15.039** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **35, 28.472, 169.648**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 36.997, 15.237**, and **5, 22.460, 18.874** is the 20% darker color. If you saturate the color by 10%, you get **18, 40.186, 19.095**, and if you desaturate by 10%, it is **20, 33.545, 11.503**.

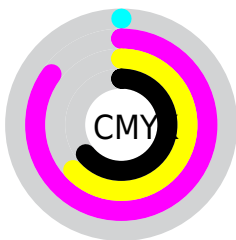
Distribution



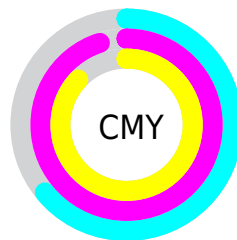
- Red (36%)
- Green (5%)
- Blue (13%)



- Red (36%)
- Yellow (5%)
- Blue (13%)



- Cyan (0%)
- Magenta (85%)
- Yellow (63%)
- Black (64%)



- Cyan (64%)
- Magenta (95%)
- Yellow (87%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 37.072, 15.039 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, 37.072, 15.039 by changing the saturation by 10% instead.

 19, 37.072, 15.039

 19, 37.072, 15.039

 100, 37.072,
15.039

 9, 37.072, 15.039

 39, 37.072, 15.039

 0, 37.072, 15.039

 49, 37.072, 15.039

 59, 37.072, 15.039

 69, 37.072, 15.039

 79, 37.072, 15.039

 89, 37.072, 15.039

 99, 37.072, 15.039

19, 37.072, 15.039

19, 37.072, 15.039

18, 40.186, 19.095

20, 33.545, 11.503

17, 41.864, 20.902

22, 29.487, 8.654

24, 25.046, 6.365

27, 20.395, 4.507

29, 15.685, 2.977

32, 11.028, 1.692

35, 6.499, 0.586

38, 2.139, 359.555

41, 2.034, 179.001

Harmonies

Complementary

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



19, 37.072, 15.039



35, 28.472, 169.648

Rectangle

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



19, 37.072, 15.039



19, 37.072, 65.039



19, 37.072, 195.039



19, 37.072, 245.039

Sweetspot

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



19, 37.070, 15.041



41, 14.157, 1.899



18, 51.507, 319.240



20, 9.710, 2.177



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, 37.070, 15.041



24, 50.650, 22.799



22, 37.086, 44.077



17, 2.363, 359.951



21, 47.369, 22.184



50, 85.675, 26.154

Inverse Universe

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



19, 37.070, 15.041



24, 50.650, 22.799



29, 19.761, 234.839



17, 2.363, 359.951



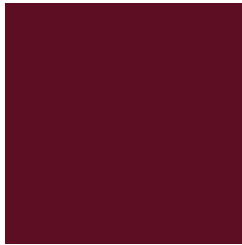
21, 47.369, 22.184



50, 85.675, 26.154

Previews

White Background



This preview shows how the CIE LCh color 19, 37.072, 15.039 looks on a white background.

Color Contrast Check

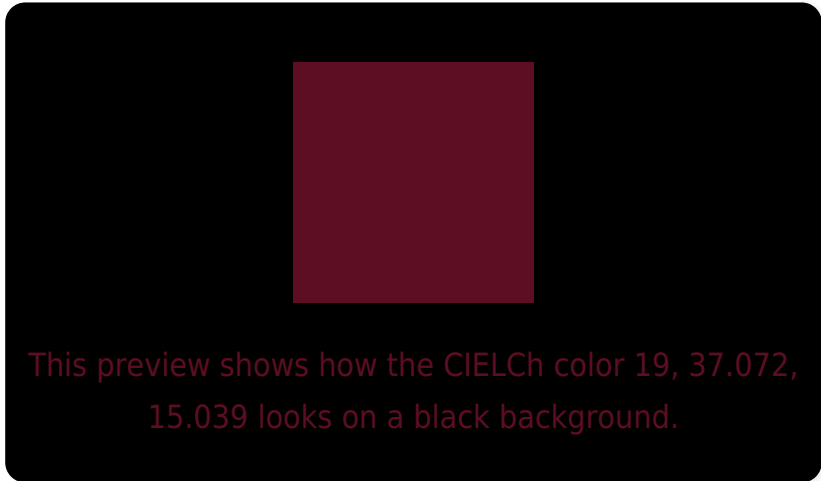
Large Text (above 18pt) WCAG AA ✓ Pass

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

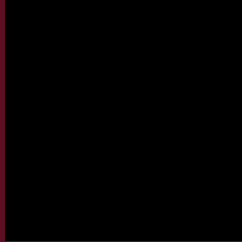
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 37.072, 15.039

Background



This preview shows how black text looks on a background with the CIELCh color 19, 37.072, 15.039.



This preview shows how white text looks on a background with the CIELCh color 19, 37.072, 15.039.

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, 37.072, 15.039

Protanopia

20, 0.942, 19.383

Deuteranopia

20, 12.983, 75.256



Tritanopia
19, 38.962, 31.891

Trichromacy



Original Color
19, 37.072, 15.039

Protanomaly
18, 15.398, 5.699

Deuteranomaly
18, 19.922, 30.065

Tritanomaly
19, 37.600, 26.093

Monochromacy



Original Color
19, 37.072, 15.039

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 14.701, 4.621

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 37.072, 15.039 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, 14, 34)` looks like.

```
.text, #text, p{  
    color:rgb(93, 14, 34)  
}
```

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, 14, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 14, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 37.072, 15.039 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, 14, 34) }
```

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

```
.border{ border-color:rgb(93, 14, 34) }
```

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

Here you see how a box with a 4 pixel rgb(93, 14, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 14, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 14, 34);  
box-shadow:4px 4px 4px 4px rgb(93, 14, 34)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 37.072, 15.039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 14, 34) }
```

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

```
.background{ background-color: rgb(93, 14,  
34) }
```

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