

Converting Colors

CIELCh(19, 42.037, 14.619)

Have a look what the booklet for
CIELCh(19, 42.037, 14.619) contains.

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Color

CIELCh(19, 42.068, 14.270)

Conversions

Conversions Part 1

Format	Color
Hex	620121
RGB	98, 1, 33
RGB Percent	38%, 0%, 13%
CMY	0.6148, 0.9950, 0.8700
CMYK	0.00, 0.99, 0.66, 0.61
HSL	340°, 97%, 20%
HSV	340°, 99%, 39%
XYZ	5.3510, 2.7468, 1.6988
YIQ	33.6510, 47.5400, 30.5160

Conversions

Conversions Part 2

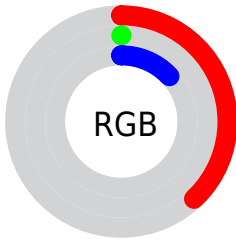
Format	Color
RYB	98, 1, 33
Decimal	6422817
CIELab	19.00, 40.77, 10.37
CIElCh	19, 42.068, 14.270
Yxy	2.7468, 0.5462, 0.2804
Android (android.graphics.Color)	4284612897 (0xFF620121)
YUV	33.6510, -0.3209, 56.4341
Hunter-Lab	16.5735, 28.6273, 5.5242

Details

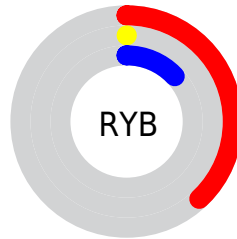
The CIELCh color **19, 42.068, 14.270** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **36, 35.248, 161.304**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 42.047, 14.108**, and **5, 24.514, 18.727** is the 20% darker color. If you saturate the color by 10%, you get **19, 42.450, 14.735**, and if you desaturate by 10%, it is **20, 39.350, 10.391**.

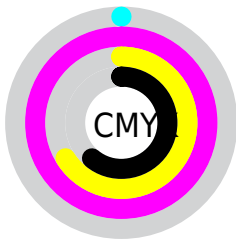
Distribution



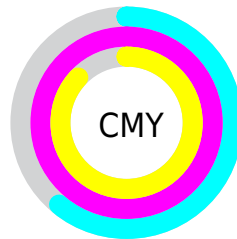
- Red (38%)
- Green (0%)
- Blue (13%)



- Red (38%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (99%)
- Yellow (66%)
- Black (61%)



- Cyan (61%)
- Magenta (100%)
- Yellow (87%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 42.068, 14.270 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, 42.068, 14.270 by changing the saturation by 10% instead.

 19, 42.068, 14.270

 19, 42.068, 14.270

 100, 42.068,
14.270

 9, 42.068, 14.270

 39, 42.068, 14.270

 0, 42.068, 14.270

 49, 42.068, 14.270

 59, 42.068, 14.270

 69, 42.068, 14.270

 79, 42.068, 14.270

 89, 42.068, 14.270

 99, 42.068, 14.270

■ 19, 42.068, 14.270

■ 19, 42.068, 14.270

■ 19, 42.450, 14.735

■ 20, 39.350, 10.391

■ 21, 36.357, 6.786

■ 23, 32.625, 3.895

■ 25, 28.301, 1.576

■ 28, 23.586,
359.693

■ 30, 18.672,
358.136

■ 33, 13.710,
356.823

■ 36, 8.807, 355.690

■ 39, 4.031, 354.675

Harmonies

Complementary

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



19, 42.068, 14.270



36, 35.248, 161.304

Rectangle

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



19, 42.068, 14.270



19, 42.068, 64.270



19, 42.068, 194.270



19, 42.068, 244.270

Sweetspot

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



19, 42.066, 14.272



42, 17.801, 357.091



16, 59.145, 316.941



20, 12.076, 357.455



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, 42.066, 14.272



26, 51.396, 16.514



20, 45.925, 40.521



18, 2.567, 354.690



22, 46.768, 15.690



51, 82.994, 19.474

Inverse Universe

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



19, 42.066, 14.272



26, 51.396, 16.514



32, 21.546, 225.873



18, 2.567, 354.690



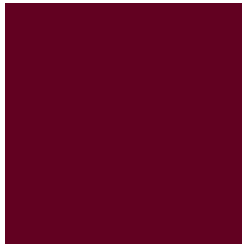
22, 46.768, 15.690



51, 82.994, 19.474

Previews

White Background



This preview shows how the CIE LCh color 19, 42.068, 14.270 looks on a white background.

Color Contrast Check

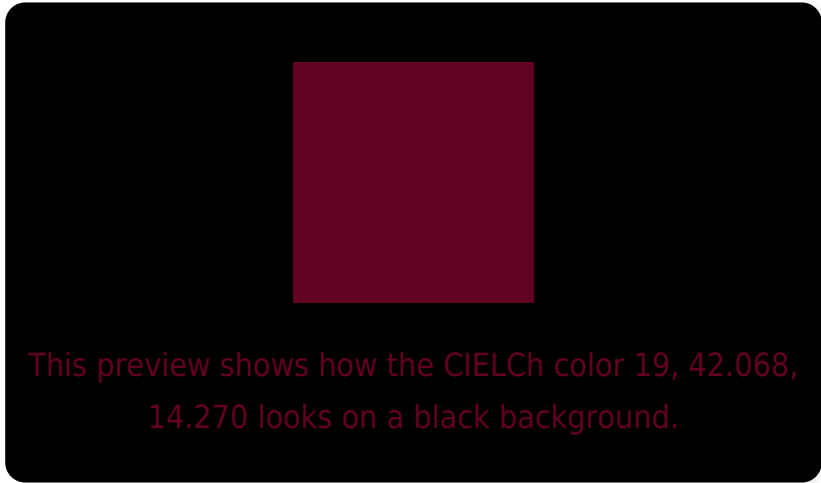
Large Text (above 18pt) WCAG AA ✓ Pass

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

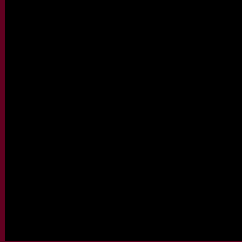
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 42.068, 14.270

Background



This preview shows how black text looks on a background with the CIELCh color 19, 42.068, 14.270.



This preview shows how white text looks on a background with the CIELCh color 19, 42.068, 14.270.

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, 42.068, 14.270

Protanopia

21, 0.816, 74.851

Deuteranopia

21, 14.650, 78.774



Tritanopia
20, 44.236, 34.227

Trichromacy



Original Color
19, 42.068, 14.270

Protanomaly
18, 18.771, 1.636

Deuteranomaly
18, 23.171, 25.718

Tritanomaly
19, 42.952, 27.908

Monochromacy



Original Color
19, 42.068, 14.270

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 18.930, 0.078

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 42.068, 14.270 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(98, 1, 33)` looks like.

```
.text, #text, p{  
    color:rgb(98, 1, 33)  
}
```

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(98, 1, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 1, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 42.068, 14.270 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(98, 1, 33) }
```

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

```
.border{ border-color:rgb(98, 1, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 1, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 1, 33); -webkit-box-shadow:4px  
4px 4px 4px rgb(98, 1, 33); box-shadow:4px  
4px 4px 4px rgb(98, 1, 33) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 42.068, 14.270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 1, 33) }
```

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

```
.background{ background-color: rgb(98, 1,  
33) }
```

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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