

Converting Colors

CIELCh(19, 41.214, 13.246)

Have a look what the booklet for
CIELCh(19, 41.214, 13.246) contains.

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Color

CIELCh(19, 41.155, 13.453)

Conversions

Conversions Part 1

Format	Color
Hex	610322
RGB	97, 3, 34
RGB Percent	38%, 1%, 13%
CMY	0.6185, 0.9868, 0.8658
CMYK	0.00, 0.97, 0.65, 0.62
HSL	340°, 93%, 20%
HSV	340°, 97%, 38%
XYZ	5.2889, 2.7468, 1.7811
YIQ	34.6400, 46.0730, 29.5690

Conversions

Conversions Part 2

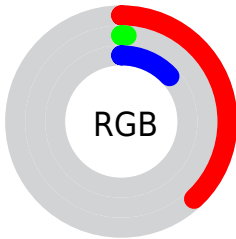
Format	Color
RYB	97, 3, 34
Decimal	6357794
CIELab	19.00, 40.03, 9.57
CIELCh	19, 41.155, 13.453
Yxy	2.7468, 0.5388, 0.2798
Android (android.graphics.Color)	4284547874 (0xFF610322)
YUV	34.6400, -0.3155, 54.6897
Hunter-Lab	16.5735, 27.9584, 5.2297

Details

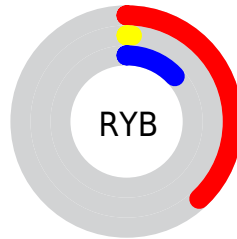
The CIELCh color **19, 41.155, 13.453** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **36, 34.503, 161.729**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 41.183, 13.548**, and **5, 24.514, 18.727** is the 20% darker color. If you saturate the color by 10%, you get **19, 42.165, 14.706**, and if you desaturate by 10%, it is **20, 38.484, 9.545**.

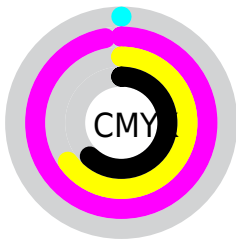
Distribution



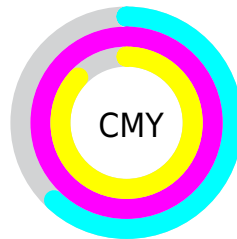
- Red (38%)
- Green (1%)
- Blue (13%)



- Red (38%)
- Yellow (1%)
- Blue (13%)



- Cyan (0%)
- Magenta (97%)
- Yellow (65%)
- Black (62%)





- Cyan (62%)
- Magenta (99%)
- Yellow (87%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 41.155, 13.453 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, 41.155, 13.453 by changing the saturation by 10% instead.

 19, 41.155, 13.453


 19, 41.155, 13.453


 100, 41.155,
13.453


 9, 41.155, 13.453

 39, 41.155, 13.453


 0, 41.155, 13.453

 49, 41.155, 13.453

 59, 41.155, 13.453

 69, 41.155, 13.453

 79, 41.155, 13.453

 89, 41.155, 13.453

 99, 41.155, 13.453

■ 19, 41.155, 13.453

■ 19, 41.155, 13.453

■ 19, 42.165, 14.706

■ 20, 38.484, 9.545

■ 21, 35.339, 6.115

■ 23, 31.486, 3.367

■ 25, 27.091, 1.157

■ 28, 22.353,
359.356

■ 31, 17.456,
357.861

■ 33, 12.539,
356.593

■ 36, 7.698, 355.494

■ 39, 2.993, 354.488

Harmonies

Complementary

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



19, 41.155, 13.453



36, 34.503, 161.729

Rectangle

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



19, 41.155, 13.453



19, 41.155, 63.453



19, 41.155, 193.453



19, 41.155, 243.453

Sweetspot

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



19, 41.153, 13.455



43, 17.183, 356.996



16, 57.900, 316.973



20, 11.727, 357.366



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, 41.153, 13.455



26, 51.404, 16.558



20, 44.708, 40.360



18, 2.567, 354.723



22, 46.775, 15.734



51, 83.011, 19.519

Inverse Universe

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



19, 41.153, 13.455



26, 51.404, 16.558



32, 21.244, 225.355



18, 2.567, 354.723



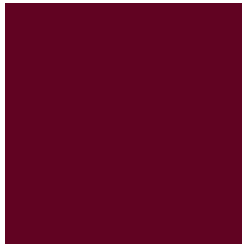
22, 46.775, 15.734



51, 83.011, 19.519

Previews

White Background



This preview shows how the CIE LCh color 19, 41.155, 13.453 looks on a white background.

Color Contrast Check

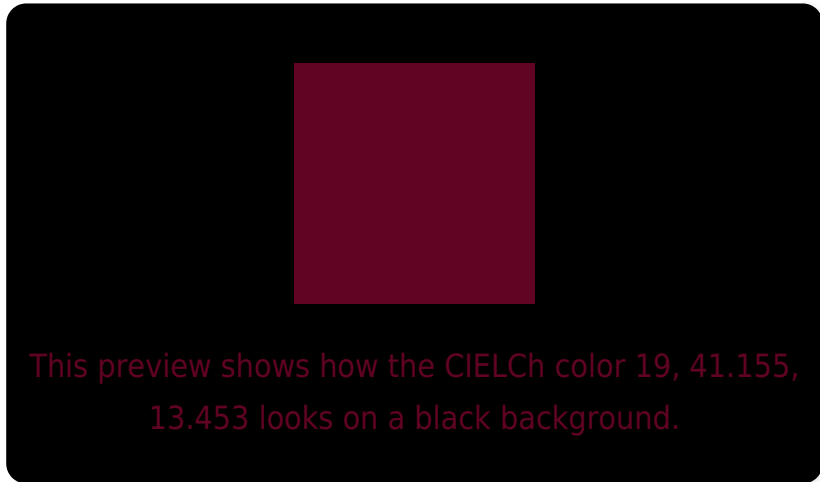
Large Text (above 18pt) WCAG AA ✓ Pass

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, 41.155, 13.453

Background



This preview shows how black text looks on a background with the CIELCh color 19, 41.155, 13.453.



This preview shows how white text looks on a background with the CIELCh color 19, 41.155, 13.453.

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, 41.155, 13.453

Protanopia

21, 0.467, 19.049

Deuteranopia

21, 13.782, 79.665



Tritanopia
20, 43.375, 33.961

Trichromacy



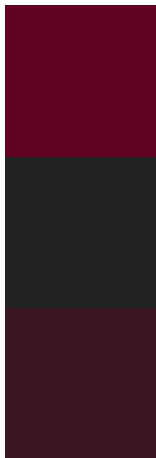
Original Color
19, 41.155, 13.453

Protanomaly
18, 18.291, 0.757

Deuteranomaly
18, 22.060, 25.321

Tritanomaly
19, 42.083, 27.183

Monochromacy



Original Color
19, 41.155, 13.453

Achromatopsia
14, 0.003, 296.813

Achromatomaly
13, 18.889, 359.927

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 41.155, 13.453 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(97, 3, 34)` looks like.

```
.text, #text, p{  
    color:rgb(97, 3, 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(97, 3, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 3, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 41.155, 13.453 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(97, 3, 34) }
```

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

```
.border{ border-color:rgb(97, 3, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 3, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 3, 34); -webkit-box-shadow:4px  
4px 4px 4px rgb(97, 3, 34); box-shadow:4px  
4px 4px 4px rgb(97, 3, 34) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 41.155, 13.453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 3, 34) }
```

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

```
.background{ background-color: rgb(97, 3,  
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](#).

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