

Converting Colors

CIELCh(8, 79.319, 355.187)

Have a look what the booklet for
CIELCh(8, 79.319, 355.187) contains.

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Color

CIELCh(19, 42.791, 12.960)

Conversions

Conversions Part 1

Format	Color
Hex	630022
RGB	99, 0, 34
RGB Percent	39%, 0%, 13%
CMY	0.6116, 1.0000, 0.8656
CMYK	0.00, 1.00, 0.65, 0.61
HSL	339°, 100%, 19%
HSV	339°, 100%, 39%
XYZ	5.4293, 2.7468, 1.7788
YIQ	33.4770, 48.0900, 31.5620

Conversions

Conversions Part 2

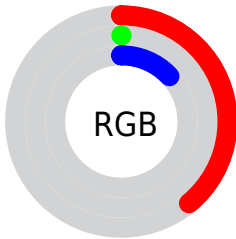
Format	Color
R_{YB}	99, 0, 34
Decimal	6488098
CIE _{Lab}	19.00, 41.70, 9.60
CIE _{LCh}	19, 42.791, 12.960
Yxy	2.7468, 0.5454, 0.2759
Android (android.graphics.Color)	4284678178 (0xFF630022)
YUV	33.4770, 0.2578, 57.4637
Hunter-Lab	16.5735, 29.4713, 5.2380

Details

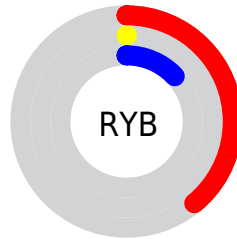
The CIELCh color **19, 42.791, 12.960** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **37, 36.483, 159.834**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 42.403, 13.522**, and **6, 25.161, 19.052** is the 20% darker color. If you saturate the color by 10%, you get **19, 42.527, 13.237**, and if you desaturate by 10%, it is **20, 39.868, 9.464**.

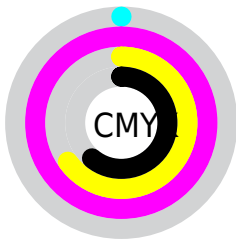
Distribution



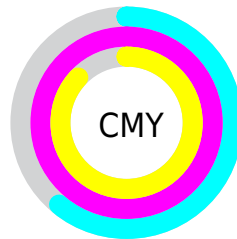
- Red (39%)
- Green (0%)
- Blue (13%)



- Red (39%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (65%)
- Black (61%)



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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 42.791, 12.960 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, 42.791, 12.960 by changing the saturation by 10% instead.

 19, 42.791, 12.960

 19, 42.791, 12.960

 100, 42.791,
12.960

 9, 42.791, 12.960

 39, 42.791, 12.960

 0, 42.791, 12.960

 49, 42.791, 12.960

 59, 42.791, 12.960

 69, 42.791, 12.960

 79, 42.791, 12.960

 89, 42.791, 12.960

 99, 42.791, 12.960

■ 19, 42.791, 12.960

■ 19, 42.791, 12.960

■ 19, 42.527, 13.237

■ 20, 39.868, 9.464

■ 21, 37.053, 5.833

■ 23, 33.450, 2.924

■ 25, 29.199, 0.591

■ 28, 24.506,
358.697

■ 30, 19.571,
357.132

■ 33, 14.557,
355.811

■ 36, 9.579, 354.672

■ 39, 4.714, 353.656

Harmonies

Complementary

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



19, 42.791, 12.960



37, 36.483, 159.834

Rectangle

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



19, 42.791, 12.960



19, 42.791, 62.960



19, 42.791, 192.960



19, 42.791, 242.960

Sweetspot

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



19, 42.527, 13.237



42, 17.935, 355.916



16, 60.190, 316.438



20, 12.164, 356.274



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, 42.527, 13.237



26, 51.128, 14.925



20, 47.032, 40.031



18, 2.592, 353.543



22, 46.549, 14.114



51, 82.406, 17.847

Inverse Universe

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



19, 42.527, 13.237



26, 51.128, 14.925



32, 21.827, 222.804



18, 2.592, 353.543



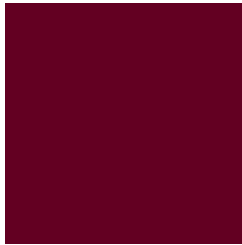
22, 46.549, 14.114



51, 82.406, 17.847

Previews

White Background



This preview shows how the CIE LCh color 19, 42.791, 12.960 looks on a white background.

Color Contrast Check

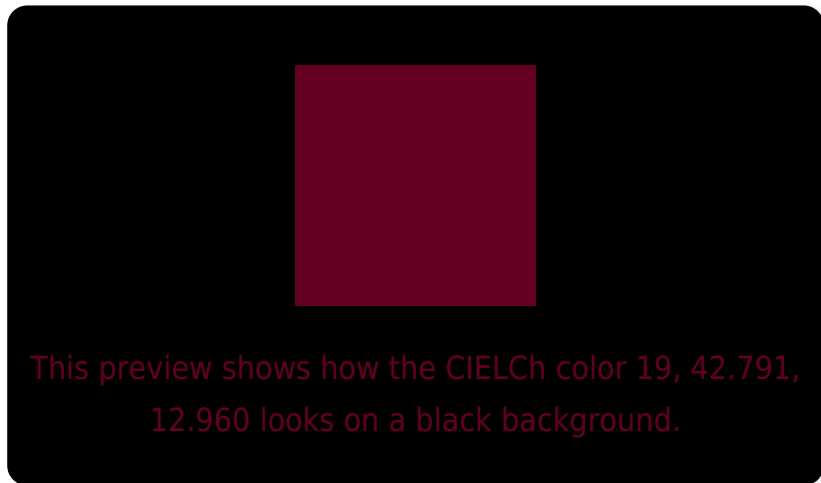
Large Text (above 18pt) WCAG AA ✓ Pass

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

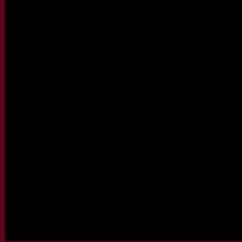
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 42.791, 12.960

Background



This preview shows how black text looks on a background with the CIELCh color 19, 42.791, 12.960.



This preview shows how white text looks on a background with the CIELCh color 19, 42.791, 12.960.

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, 42.543, 13.484

Protanopia

21, 0.936, 19.370

Deuteranopia

21, 14.352, 75.939



Tritanopia
20, 44.056, 34.579

Trichromacy



Original Color
19, 42.543, 13.484

Protanomaly
18, 19.345, 0.414

Deuteranomaly
18, 22.984, 24.106

Tritanomaly
19, 42.952, 27.908

Monochromacy



Original Color
19, 42.543, 13.484

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 19.355, 0.931

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 42.791, 12.960 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, 34)` looks like.

```
.text, #text, p{  
    color:rgb(99, 0, 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(99, 0, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 0, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 42.791, 12.960 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, 34) }
```

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

```
.border{ border-color:rgb(99, 0, 34) }
```

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, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 0, 34); -webkit-box-shadow:4px  
4px 4px 4px rgb(99, 0, 34); box-shadow:4px  
4px 4px 4px rgb(99, 0, 34) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 42.791, 12.960 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, 34) }
```

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

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