

Converting Colors

CIELCh(19, 42.426, 10.976)

Have a look what the booklet for
CIELCh(19, 42.426, 10.976) contains.

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Color

CIELCh(19, 42.376, 11.642)

Conversions

Conversions Part 1

Format	Color
Hex	630024
RGB	99, 0, 36
RGB Percent	39%, 0%, 14%
CMY	0.6133, 1.0000, 0.8600
CMYK	0.00, 1.00, 0.64, 0.61
HSL	338°, 100%, 19%
HSV	338°, 100%, 39%
XYZ	5.4127, 2.7468, 1.8910
YIQ	33.7050, 47.4480, 32.1840

Conversions

Conversions Part 2

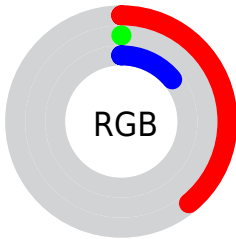
Format	Color
RYB	99, 0, 36
Decimal	6488100
CIELab	19.00, 41.50, 8.55
CIElCh	19, 42.376, 11.642
Yxy	2.7468, 0.5385, 0.2733
Android (android.graphics.Color)	4284678180 (0xFF630024)
YUV	33.7050, 1.1314, 57.2637
Hunter-Lab	16.5735, 29.2923, 4.8366

Details

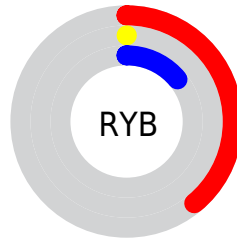
The CIELCh color **19, 42.376, 11.642** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **36, 37.049, 158.743**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 42.331, 11.895**, and **6, 25.161, 19.052** is the 20% darker color. If you saturate the color by 10%, you get **19, 42.269, 11.750**, and if you desaturate by 10%, it is **20, 39.710, 8.064**.

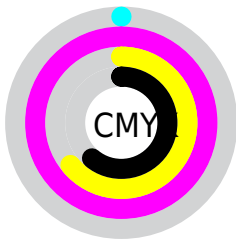
Distribution



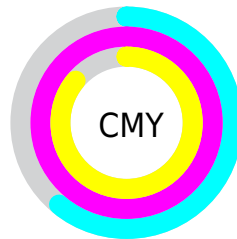
- Red (39%)
- Green (0%)
- Blue (14%)



- Red (39%)
- Yellow (0%)
- Blue (14%)



- Cyan (0%)
- Magenta (100%)
- Yellow (64%)
- Black (61%)



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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 42.376, 11.642 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, 42.376, 11.642 by changing the saturation by 10% instead.

 19, 42.376, 11.642

 19, 42.376, 11.642

 100, 42.376,
11.642

 9, 42.376, 11.642

 39, 42.376, 11.642

 0, 42.376, 11.642

 49, 42.376, 11.642

 59, 42.376, 11.642

 69, 42.376, 11.642

 79, 42.376, 11.642

 89, 42.376, 11.642

 99, 42.376, 11.642

■ 19, 42.376, 11.642

■ 19, 42.376, 11.642

■ 19, 42.269, 11.750

■ 20, 39.710, 8.064

■ 21, 36.979, 4.525

■ 23, 33.435, 1.692

■ 25, 29.225,
359.418

■ 27, 24.556,
357.568

■ 30, 19.630,
356.035

■ 33, 14.614,
354.737

■ 36, 9.624, 353.614

■ 39, 4.739, 352.610

Harmonies

Complementary

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



19, 42.376, 11.642



36, 37.049, 158.743

Rectangle

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



19, 42.376, 11.642



19, 42.376, 61.642



19, 42.376, 191.642



19, 42.376, 241.642

Sweetspot

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



19, 42.269, 11.750



42, 18.067, 354.842



15, 60.195, 315.971



20, 12.250, 355.195



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, 42.269, 11.750



26, 50.922, 13.438



20, 47.109, 39.411



18, 2.615, 352.499



22, 46.383, 12.641



51, 81.931, 16.317

Inverse Universe

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



19, 42.269, 11.750



26, 50.922, 13.438



33, 21.893, 219.458



18, 2.615, 352.499



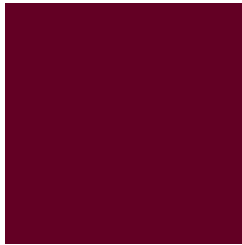
22, 46.383, 12.641



51, 81.931, 16.317

Previews

White Background



This preview shows how the CIE LCh color 19, 42.376, 11.642 looks on a white background.

Color Contrast Check

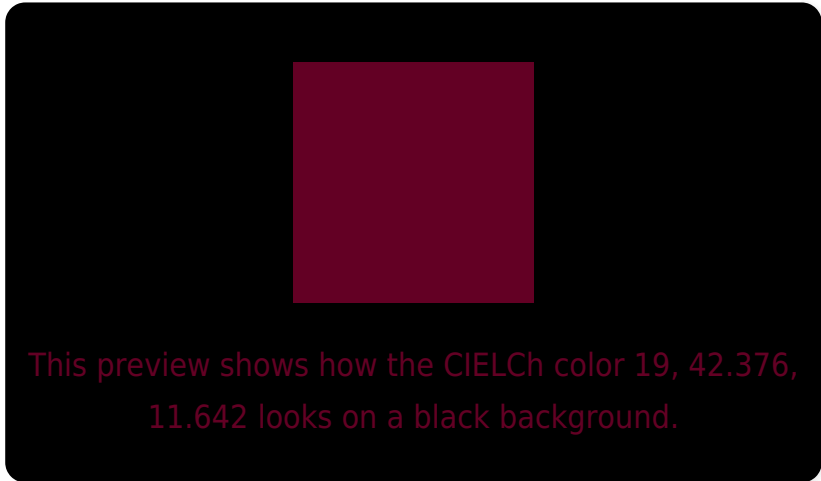
Large Text (above 18pt) WCAG AA ✓ Pass

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, 42.376, 11.642

Background



This preview shows how black text looks on a background with the CIELCh color 19, 42.376, 11.642.



This preview shows how white text looks on a background with the CIELCh color 19, 42.376, 11.642.

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, 42.376, 11.642

Protanopia

21, 1.438, 309.177

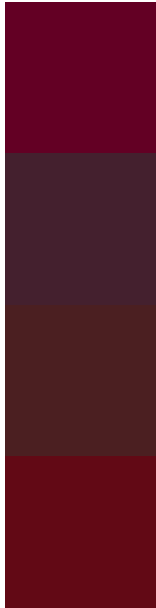
Deuteranopia

21, 13.471, 76.646



Tritanopia
20, 43.825, 34.065

Trichromacy



Original Color
19, 42.376, 11.642

Protanomaly
18, 19.294, 355.739

Deuteranomaly
18, 22.818, 22.465

Tritanomaly
19, 42.688, 27.100

Monochromacy



Original Color
19, 42.376, 11.642

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, 42.376, 11.642 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, 36)` looks like.

```
.text, #text, p{  
    color:rgb(99, 0, 36)  
}
```

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, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 0, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 42.376, 11.642 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, 36) }
```

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

```
.border{ border-color:rgb(99, 0, 36) }
```

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, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 0, 36); -webkit-box-shadow:4px  
4px 4px 4px rgb(99, 0, 36); box-shadow:4px  
4px 4px 4px rgb(99, 0, 36) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 42.376, 11.642 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, 36) }
```

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

```
.background{ background-color: rgb(99, 0,  
36) }
```

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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