

Converting Colors

CIELCh(19, 35.276, 1.299)

Have a look what the booklet for
CIELCh(19, 35.276, 1.299) contains.

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Color

CIELCh(19, 35.271, 1.433)

Conversions

Conversions Part 1

Format	Color
Hex	5A102E
RGB	90, 16, 46
RGB Percent	35%, 6%, 18%
CMY	0.6468, 0.9370, 0.8194
CMYK	0.00, 0.82, 0.49, 0.65
HSL	336°, 70%, 21%
HSV	336°, 82%, 35%
XYZ	4.9025, 2.7468, 2.8616
YIQ	41.5460, 34.4740, 25.0180

Conversions

Conversions Part 2

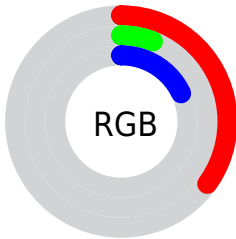
Format	Color
R_{YB}	90, 16, 46
Decimal	5902382
CIE Lab	19.00, 35.26, 0.88
CIE LCh	19, 35.271, 1.433
Yxy	2.7468, 0.4664, 0.2613
Android (android.graphics.Color)	4284092462 (0xFF5A102E)
YUV	41.5460, 2.1958, 42.4942
Hunter-Lab	16.5735, 23.7977, 1.3645

Details

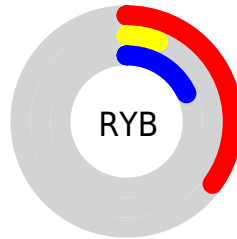
The CIELCh color **19, 35.271, 1.433** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **33, 31.863, 159.400**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 35.336, 1.280**, and **5, 21.720, 18.671** is the 20% darker color. If you saturate the color by 10%, you get **18, 37.602, 4.697**, and if you desaturate by 10%, it is **21, 32.182, 358.768**.

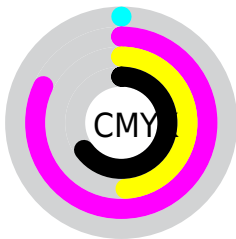
Distribution



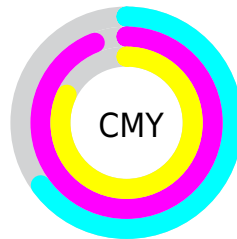
- Red (35%)
- Green (6%)
- Blue (18%)



- Red (35%)
- Yellow (6%)
- Blue (18%)



- Cyan (0%)
- Magenta (82%)
- Yellow (49%)
- Black (65%)



- Cyan (65%)
- Magenta (94%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 35.271, 1.433 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, 35.271, 1.433 by changing the saturation by 10% instead.

 19, 35.271, 1.433  19, 35.271, 1.433

 100, 35.271, 1.433  9, 35.271, 1.433

 39, 35.271, 1.433  0, 35.271, 1.433

 49, 35.271, 1.433

 59, 35.271, 1.433

 69, 35.271, 1.433

 79, 35.271, 1.433

 89, 35.271, 1.433

 99, 35.271, 1.433

 19, 35.271, 1.433  19, 35.271, 1.433

■ 18, 37.602, 4.697

■ 21, 32.182,
358.768

■ 17, 39.496, 7.174

■ 22, 28.407,
356.619

■ 25, 24.138,
354.860

■ 27, 19.570,
353.392

■ 29, 14.866,
352.141

■ 32, 10.148,
351.052

■ 35, 5.497, 350.079

■ 38, 0.962, 349.015

■ 41, 3.430, 168.576

Harmonies

Complementary

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



19, 35.271, 1.433



33, 31.863, 159.400

Rectangle

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



19, 35.271, 1.433



19, 35.271, 51.433



19, 35.271, 181.433



19, 35.271, 231.433

Sweetspot

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



19, 35.269, 1.434



41, 14.294, 351.434



16, 49.545, 314.823



19, 9.674, 351.670



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19, 35.269, 1.434



24, 47.368, 8.540



19, 37.532, 35.554



17, 2.562, 349.770



22, 45.365, 8.502



51, 80.339, 12.083

Inverse Universe

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



19, 35.269, 1.434



24, 47.368, 8.540



32, 20.021, 208.209



17, 2.562, 349.770



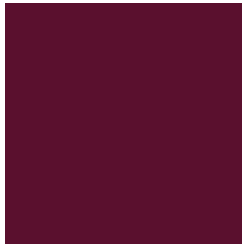
22, 45.365, 8.502



51, 80.339, 12.083

Previews

White Background



This preview shows how the CIE LCh color 19, 35.271, 1.433 looks on a white background.

Color Contrast Check

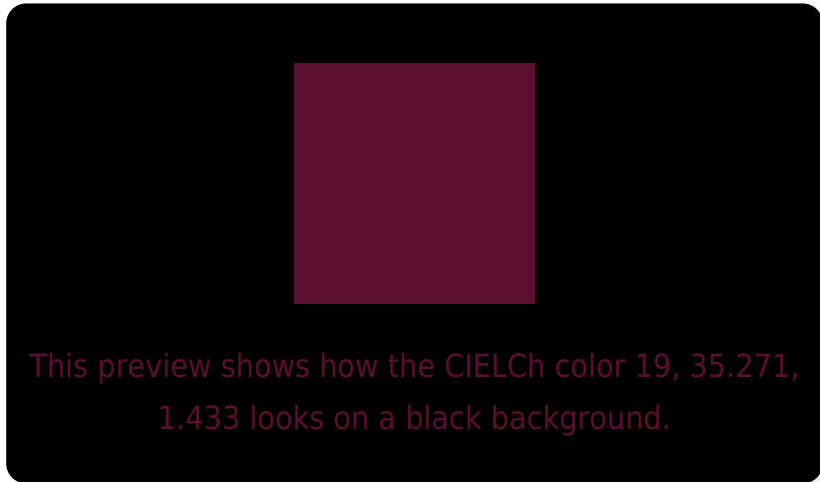
Large Text (above 18pt) WCAG AA ✓ Pass

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

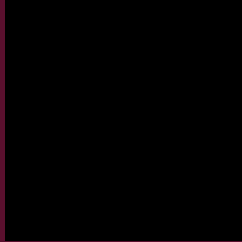
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 35.271, 1.433

Background



This preview shows how black text looks on a background with the CIELCh color 19, 35.271, 1.433.



This preview shows how white text looks on a background with the CIELCh color 19, 35.271, 1.433.

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, 35.271, 1.433

Protanopia

20, 10.293, 283.400

Deuteranopia

20, 4.801, 54.231



Tritanopia
19, 34.527, 28.932

Trichromacy



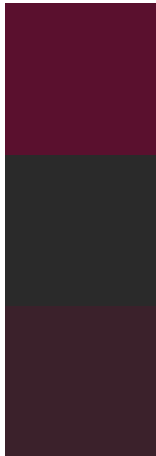
Original Color
19, 35.271, 1.433

Protanomaly
18, 18.068, 331.372

Deuteranomaly
19, 16.427, 4.749

Tritanomaly
19, 33.837, 18.483

Monochromacy



Original Color
19, 35.271, 1.433

Achromatopsia
17, 0.003, 296.813

Achromatomaly
16, 14.251, 354.614

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 35.271, 1.433 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(90, 16, 46)` looks like.

```
.text, #text, p{  
    color:rgb(90, 16, 46)  
}
```

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(90, 16, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 16, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 35.271, 1.433 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(90, 16, 46) }
```

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

```
.border{ border-color:rgb(90, 16, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 16, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 16, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 16, 46);  
box-shadow:4px 4px 4px 4px rgb(90, 16, 46)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 35.271, 1.433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 16, 46) }
```

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

```
.background{ background-color: rgb(90, 16,  
46) }
```

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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