

Converting Colors

CIELCh(19, 44.549, 342.923)

Have a look what the booklet for
CIELCh(19, 44.549, 342.923)
contains.

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Color

CIELCh(19, 44.691, 342.902)

Conversions

Conversions Part 1

Format	Color
Hex	5D0142
RGB	93, 1, 66
RGB Percent	36%, 0%, 26%
CMY	0.6351, 0.9958, 0.7410
CMYK	0.00, 0.99, 0.29, 0.64
HSL	318°, 98%, 18%
HSV	318°, 99%, 36%
XYZ	5.5156, 2.7468, 5.4007
YIQ	35.9180, 33.9670, 39.7190

Conversions

Conversions Part 2

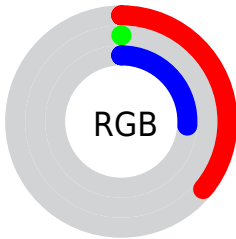
Format	Color
RYB	93, 1, 66
Decimal	6095170
CIELab	19.00, 42.72, -13.14
CIElCh	19, 44.691, 342.902
Yxy	2.7468, 0.4037, 0.2010
Android (android.graphics.Color)	4284285250 (0xFF5D0142)
YUV	35.9180, 14.8304, 50.0609
Hunter-Lab	16.5735, 30.4007, -7.7191

Details

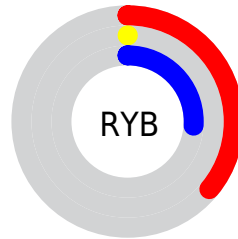
The CIELCh color **19, 44.691, 342.902** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **34, 48.908, 142.573**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 44.918, 343.049**, and **6, 24.911, 352.093** is the 20% darker color. If you saturate the color by 10%, you get **19, 44.917, 343.047**, and if you desaturate by 10%, it is **20, 42.845, 341.591**.

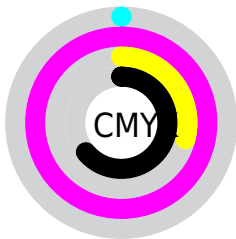
Distribution



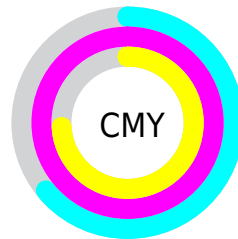
- Red (36%)
- Green (0%)
- Blue (26%)



- Red (36%)
- Yellow (0%)
- Blue (26%)



- Cyan (0%)
- Magenta (99%)
- Yellow (29%)
- Black (64%)




- Cyan (64%)
- Magenta (100%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 44.691, 342.902 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, 44.691, 342.902 by changing the saturation by 10% instead.

 19, 44.691,
342.902

 19, 44.691,
342.902

 100, 44.691,
342.902


 9, 44.691, 342.902


 39, 44.691,
342.902

 0, 44.691, 342.902

 49, 44.691,
342.902


 59, 44.691,
342.902


 69, 44.691,
342.902


 79, 44.691,
342.902


 89, 44.691,


342.902


 99, 44.691,
342.902


 19, 44.691,
342.902


 19, 44.691,
342.902


 19, 44.917,
343.047

 20, 42.845,
341.591

 21, 40.470,
340.346

 23, 37.003,
339.272

 25, 32.646,
338.322

 27, 27.638,
337.461

■ 29, 22.206,
336.666

■ 32, 16.539,
335.924

■ 34, 10.780,
335.222

■ 37, 5.030, 334.545

Harmonies

Complementary

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



19, 44.691, 342.902



34, 48.908, 142.573

Rectangle

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



19, 44.691, 342.902



19, 44.691, 32.902



19, 44.691, 162.902



19, 44.691, 212.902

Sweetspot

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



19, 44.689, 342.902



40, 21.182, 336.073



9, 61.119, 308.610



19, 14.558, 336.279



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



19, 44.689, 342.902



26, 53.409, 343.635



17, 42.237, 23.565



17, 3.149, 334.542



23, 50.219, 343.440



53, 87.473, 344.756

Inverse Universe

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



19, 44.689, 342.902



26, 53.409, 343.635



35, 29.662, 170.746



17, 3.149, 334.542



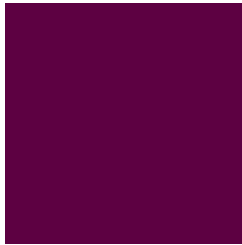
23, 50.219, 343.440



53, 87.473, 344.756

Previews

White Background



This preview shows how the CIE LCh color 19, 44.691, 342.902 looks on a white background.

Color Contrast Check

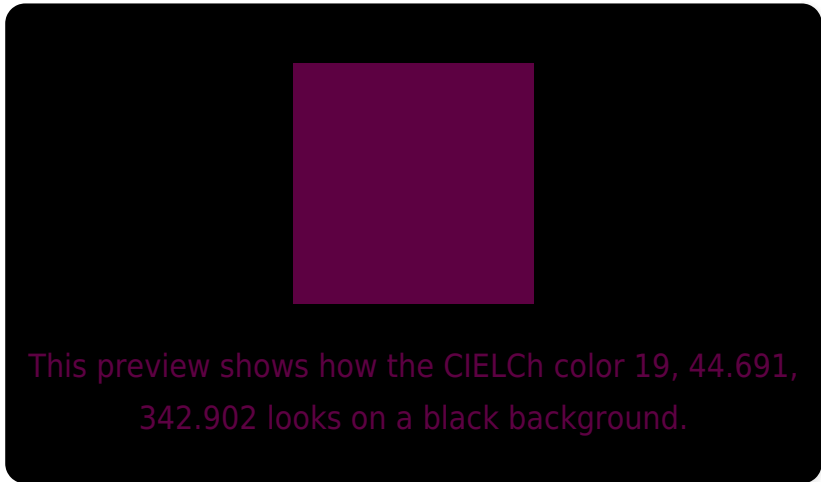
Large Text (above 18pt) WCAG AA ✓ Pass

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

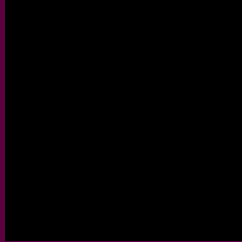
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 44.691, 342.902

Background



This preview shows how black text looks on a background with the CIELCh color 19, 44.691, 342.902.



This preview shows how white text looks on a background with the CIELCh color 19, 44.691, 342.902.

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, 44.691, 342.902

Protanopia

21, 30.602, 284.978

Deuteranopia

21, 8.814, 292.204



Tritanopia
20, 33.300, 28.047

Trichromacy



Original Color
19, 44.691, 342.902

Protanomaly
17, 36.188, 307.486

Deuteranomaly
18, 24.969, 328.594

Tritanomaly
19, 35.041, 7.762

Monochromacy



Original Color
19, 44.691, 342.902

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 22.189, 338.013

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 44.691, 342.902 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(93, 1, 66)` looks like.

```
.text, #text, p{  
    color:rgb(93, 1, 66)  
}
```

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(93, 1, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 1, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 44.691, 342.902 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(93, 1, 66) }
```

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

```
.border{ border-color:rgb(93, 1, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 1, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 1, 66); -webkit-box-shadow:4px  
4px 4px 4px rgb(93, 1, 66); box-shadow:4px  
4px 4px 4px rgb(93, 1, 66) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 44.691, 342.902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 1, 66) }
```

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

```
.background{ background-color: rgb(93, 1,  
66) }
```

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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