

Converting Colors

CIELCh(19, 69.140, 309.656)

Have a look what the booklet for
CIELCh(19, 69.140, 309.656)
contains.

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Color

CIELCh(19, 69.199, 309.636)

Conversions

Conversions Part 1

Format	Color
Hex	39107E
RGB	57, 16, 126
RGB Percent	22%, 6%, 49%
CMY	0.7765, 0.9373, 0.5059
CMYK	0.55, 0.87, 0.00, 0.51
HSL	262°, 77%, 28%
HSV	262°, 87%, 49%
XYZ	5.6385, 2.7468, 19.9718
YIQ	40.7990, -10.8740, 42.9020

Conversions

Conversions Part 2

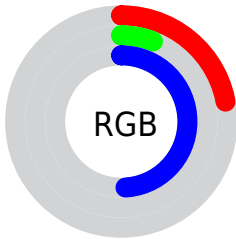
Format	Color
R_{YB}	57, 16, 126
Decimal	3739774
CIE _{Lab}	19.00, 44.14, -53.29
CIE _{LCh}	19, 69.199, 309.636
Yxy	2.7468, 0.1988, 0.0969
Android (android.graphics.Color)	4281929854 (0xFF39107E)
YUV	40.7990, 42.0041, 14.2083
Hunter-Lab	16.5735, 31.7240, -59.8453




Details

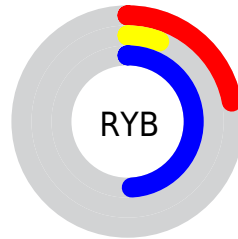
The CIELCh color **19, 69.199, 309.636** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **48, 57.837, 121.855**, and the grayscale version is **16, 0.003, 296.813**.




A 20% lighter version of the original color is **39, 69.307, 309.734**, and **5, 53.421, 304.725** is the 20% darker color. If you saturate the color by 10%, you get **17, 74.269, 309.675**, and if you desaturate by 10%, it is **22, 62.707, 309.339**.

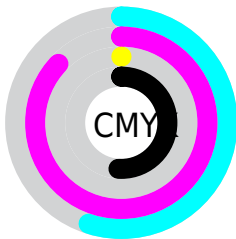
Distribution







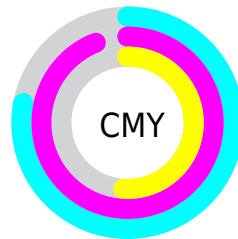
-  Red (22%)
-  Green (6%)
-  Blue (49%)






-  Red (22%)
-  Yellow (6%)
-  Blue (49%)



-  Cyan (55%)
-  Magenta (87%)
-  Yellow (0%)
-  Black (51%)



-  Cyan (78%)
-  Magenta (94%)
-  Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 69.199, 309.636 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, 69.199, 309.636 by changing the saturation by 10% instead.

■ 19, 69.199,
309.636

■ 19, 69.199,
309.636

■ 100, 69.199,
309.636

■ 9, 69.199, 309.636

■ 39, 69.199,
309.636

■ 0, 69.199, 309.636

■ 49, 69.199,
309.636


■ 59, 69.199,
309.636

■ 69, 69.199,
309.636

■ 79, 69.199,
309.636


■ 89, 69.199,


309.636


 99, 69.199,
309.636


 19, 69.199,
309.636


 19, 69.199,
309.636


 17, 74.269,
309.675

 22, 62.707,
309.339

 16, 75.695,
309.738

 25, 55.038,
308.793

 29, 46.767,
308.118

 33, 38.286,
307.400

 37, 29.828,
306.693

■ 41, 21.522,
306.026

■ 46, 13.431,
305.414

■ 50, 5.581, 304.859

■ 54, 2.020, 124.405

Harmonies

Complementary

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



19, 69.199, 309.636



48, 57.837, 121.855

Rectangle

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



19, 69.199, 309.636



19, 69.199, 359.636



19, 69.199, 129.636



19, 69.199, 179.636

Sweetspot

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



19, 69.199, 309.637



54, 25.299, 305.982



34, 28.932, 259.963



26, 17.134, 306.162



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



19, 69.199, 309.637



22, 91.653, 309.495



28, 65.613, 323.478



25, 4.362, 304.956



16, 76.354, 309.725



0, 0.000, 0.000

Inverse Universe

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



28, 50.989, 346.902



36, 63.509, 350.305



46, 66.035, 135.361



25, 3.925, 337.984



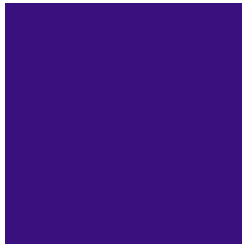
27, 53.271, 349.648



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 19, 69.199, 309.636 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



This preview shows how the CIELCh color 19, 69.199, 309.636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

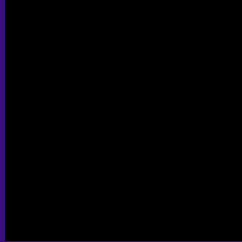
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 69.199, 309.636

Background



This preview shows how black text looks on a background with the CIELCh color 19, 69.199, 309.636.



This preview shows how white text looks on a background with the CIELCh color 19, 69.199, 309.636.

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

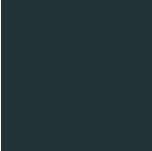
19, 69.199, 309.636

Protanopia

19, 35.167, 283.496

Deuteranopia

19, 24.890, 269.049



Tritanopia
20, 7.791, 218.743

Trichromacy



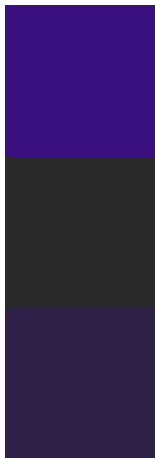
Original Color
19, 69.199, 309.636

Protanomaly
18, 49.699, 297.666

Deuteranomaly
17, 42.552, 294.942

Tritanomaly
18, 29.705, 299.562

Monochromacy



Original Color
19, 69.199, 309.636

Achromatopsia
17, 0.003, 296.813

Achromatomaly
16, 28.448, 307.783

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 69.199, 309.636 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(57, 16, 126)` looks like.

```
.text, #text, p{  
    color:rgb(57, 16, 126)  
}
```

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(57, 16, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 16, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 69.199, 309.636 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(57, 16, 126) }
```

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

```
.border{ border-color:rgb(57, 16, 126) }
```

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

Here you see how a box with a 4 pixel rgb(57, 16, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 16, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 16, 126);  
box-shadow:4px 4px 4px 4px rgb(57, 16,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 69.199, 309.636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 16, 126) }
```

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

```
.background{ background-color: rgb(57, 16,  
126) }
```

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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