

Converting Colors

CIELCh(19, 96.831, 306.349)

Have a look what the booklet for
CIELCh(19, 96.831, 306.349)
contains.

CIELCh(19, 96.973, 306.328)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(19, 96.973, 306.328)

Conversions

Conversions Part 1

Format	Color
Hex	0100A6
RGB	1, 0, 166
RGB Percent	0%, 0%, 65%
CMY	0.9957, 1.0000, 0.3499
CMYK	0.99, 1.00, 0.00, 0.35
HSL	240°, 100%, 33%
HSV	240°, 100%, 65%
XYZ	6.8732, 2.7468, 36.1358
YIQ	19.2230, -52.6900, 51.8380

Conversions

Conversions Part 2

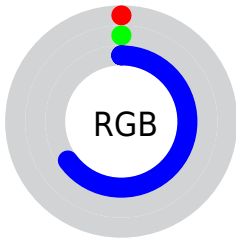
Format	Color
RYB	1, 0, 166
Decimal	65702
CIELab	19.00, 57.45, -78.13
CIELCh	19, 96.973, 306.328
Yxy	2.7468, 0.1502, 0.0600
Android (android.graphics.Color)	4278255782 (0xFF0100A6)
YUV	19.2230, 72.3611, -15.9816
Hunter-Lab	16.5735, 45.0214, -117.6704

Details

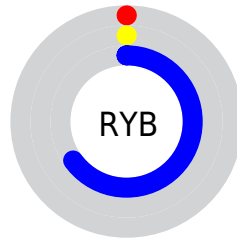
The CIELCh color **19, 96.973, 306.328** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **66, 70.209, 103.261**, and the grayscale version is **6, 0.002, 296.812**.

A 20% lighter version of the original color is **39, 97.299, 306.319**, and **10, 72.952, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **19, 96.904, 306.310**, and if you desaturate by 10%, it is **21, 91.490, 305.271**.

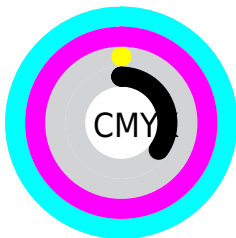
Distribution



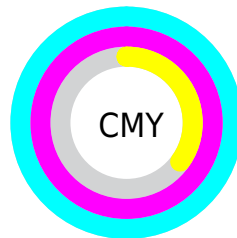
- Red (0%)
- Green (0%)
- Blue (65%)



- Red (0%)
- Yellow (0%)
- Blue (65%)



- Cyan (99%)
- Magenta (100%)
- Yellow (0%)
- Black (35%)



- Cyan (100%)
- Magenta (100%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 96.973, 306.328 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, 96.973, 306.328 by changing the saturation by 10% instead.

■ 19, 96.973,
306.328

■ 19, 96.973,
306.328

■ 100, 96.973,
306.328

■ 9, 96.973, 306.328

■ 39, 96.973,
306.328

■ 0, 96.973, 306.328

■ 49, 96.973,
306.328


■ 59, 96.973,
306.328


■ 69, 96.973,
306.328


■ 79, 96.973,
306.328


■ 89, 96.973,


306.328

 99, 96.973,
306.328


 19, 96.973,
306.328


 19, 96.973,
306.328

 19, 96.904,
306.310

 21, 91.490,
305.271

 24, 83.318,
303.693

 29, 72.950,
301.672

 34, 61.751,
299.526

 39, 50.515,
297.474

■ 45, 39.583,
295.623

■ 51, 29.068,
294.009

■ 56, 18.982,
292.625

■ 62, 9.305, 291.448

Harmonies

Complementary

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



19, 96.973, 306.328



66, 70.209, 103.261

Rectangle

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



19, 96.973, 306.328



19, 96.973, 356.328



19, 96.973, 126.328



19, 96.973, 176.328

Sweetspot

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



19, 96.904, 306.310



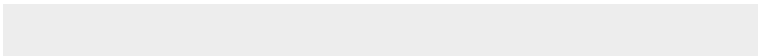
65, 36.198, 294.094



62, 36.305, 196.386



31, 25.108, 294.725



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



19, 96.904, 306.310



27, 118.334, 306.303



25, 90.320, 311.989



32, 5.324, 291.373



16, 89.113, 306.313



0, 9.559, 290.403

Inverse Universe

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



39, 83.290, 328.495



51, 101.689, 328.500



61, 78.926, 127.911



33, 6.401, 325.098



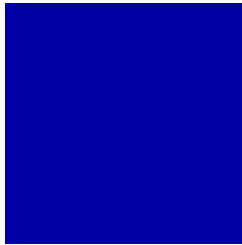
35, 76.601, 328.493



2, 11.599, 324.689

Previews

White Background



This preview shows how the CIE LCh color 19, 96.973, 306.328 looks on a white background.

Color Contrast Check

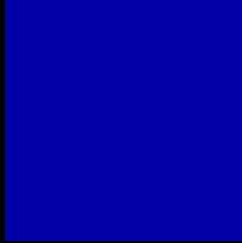
Large Text (above 18pt) WCAG AA ✓ Pass

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, 96.973, 306.328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

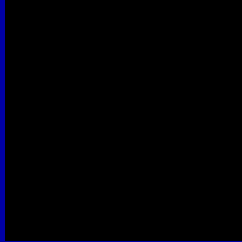
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 96.973, 306.328

Background



This preview shows how black text looks on a background with the CIELCh color 19, 96.973, 306.328.



This preview shows how white text looks on a background with the CIELCh color 19, 96.973, 306.328.

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, 97.005, 306.307

Protanopia

20, 36.288, 283.649

Deuteranopia

21, 24.947, 267.333



Tritanopia
21, 16.756, 201.193

Trichromacy



Original Color
19, 97.005, 306.307

Protanomaly
18, 63.124, 299.645

Deuteranomaly
17, 55.809, 297.527

Tritanomaly
16, 42.367, 291.785

Monochromacy



Original Color
19, 97.005, 306.307

Achromatopsia
6, 0.002, 296.812

Achromatomaly
7, 43.731, 302.697

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 96.973, 306.328 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(1, 0, 166)` looks like.

```
.text, #text, p{  
    color:rgb(1, 0, 166)  
}
```

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(1, 0, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 0, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 96.973, 306.328 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(1, 0, 166) }
```

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

```
.border{ border-color:rgb(1, 0, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 0, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 0, 166); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 0, 166); box-shadow:4px  
4px 4px 4px rgb(1, 0, 166) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 96.973, 306.328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 0, 166) }
```

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

```
.background{ background-color: rgb(1, 0,  
166) }
```

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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