

Converting Colors

CIELCh(19, 96.982, 306.309)

Have a look what the booklet for
CIELCh(19, 96.982, 306.309)
contains.

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Color

CIELCh(19, 97.005, 306.307)

Conversions

Conversions Part 1

Format	Color
Hex	0000A6
RGB	0, 0, 166
RGB Percent	0%, 0%, 65%
CMY	0.9984, 1.0000, 0.3496
CMYK	1.00, 1.00, 0.00, 0.35
HSL	240°, 100%, 33%
HSV	240°, 100%, 65%
XYZ	6.8722, 2.7468, 36.1725
YIQ	18.9240, -53.2860, 51.6260

Conversions

Conversions Part 2

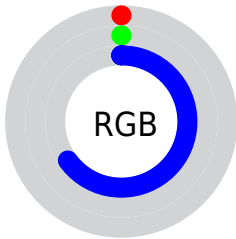
Format	Color
RYB	0, 0, 166
Decimal	166
CIELab	19.00, 57.44, -78.17
CIElCh	19, 97.005, 306.307
Yxy	2.7468, 0.1501, 0.0600
Android (android.graphics.Color)	4278190246 (0xFF0000A6)
YUV	18.9240, 72.5085, -16.5963
Hunter-Lab	16.5735, 45.0111, -117.8016

Details

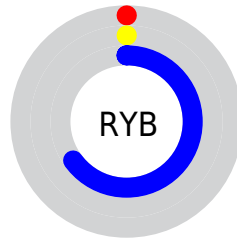
The CIELCh color **19, 97.005, 306.307** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **66, 70.230, 102.999**, and the grayscale version is **6, 0.002, 296.812**.

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, 96.960, 306.295**, and if you desaturate by 10%, it is **21, 91.546, 305.251**.

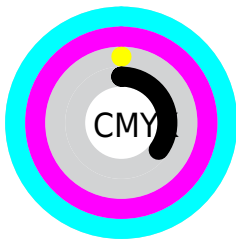
Distribution



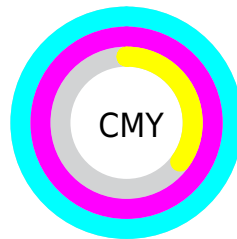
- Red (0%)
- Green (0%)
- Blue (65%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 97.005, 306.307 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, 97.005, 306.307 by changing the saturation by 10% instead.

■ 19, 97.005,
306.307

■ 19, 97.005,
306.307

■ 100, 97.005,
306.307

■ 9, 97.005, 306.307

■ 39, 97.005,
306.307

■ 0, 97.005, 306.307

■ 49, 97.005,
306.307


■ 59, 97.005,
306.307


■ 69, 97.005,
306.307


■ 79, 97.005,
306.307


■ 89, 97.005,


306.307


 99, 97.005,
306.307


 19, 97.005,
306.307


 19, 97.005,
306.307


 19, 96.960,
306.295

 21, 91.546,
305.251

 24, 83.372,
303.653

 29, 72.993,
301.610

 34, 61.783,
299.441

 39, 50.536,
297.367

■ 45, 39.598,
295.499

■ 51, 29.078,
293.871

■ 56, 18.988,
292.474

■ 62, 9.308, 291.288

Harmonies

Complementary

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



19, 97.005, 306.307



66, 70.230, 102.999

Rectangle

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



19, 97.005, 306.307



19, 97.005, 356.307



19, 97.005, 126.307



19, 97.005, 176.307

Sweetspot

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



19, 96.960, 306.295



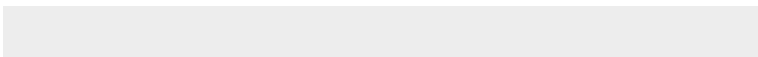
65, 36.197, 293.955



62, 36.317, 196.386



31, 25.107, 294.593



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, 96.960, 306.295



27, 118.354, 306.293



26, 90.350, 311.988



32, 5.324, 291.212



16, 89.137, 306.296



0, 9.559, 290.259

Inverse Universe

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



39, 83.594, 328.327



51, 102.031, 328.328



61, 78.953, 127.911



33, 6.419, 324.984



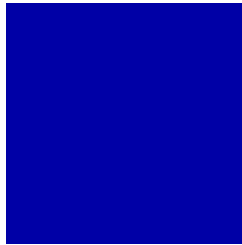
35, 76.852, 328.326



2, 11.646, 324.528

Previews

White Background



This preview shows how the CIE LCh color 19, 97.005, 306.307 looks on a white background.

Color Contrast Check

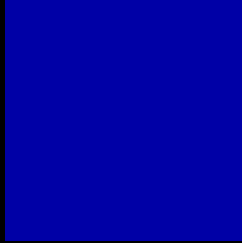
Large Text (above 18pt) WCAG AA ✓ Pass

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, 97.005, 306.307 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

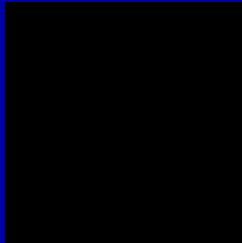
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 97.005, 306.307

Background



This preview shows how black text looks on a background with the CIELCh color 19, 97.005, 306.307.



This preview shows how white text looks on a background with the CIELCh color 19, 97.005, 306.307.

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, 97.038, 306.287

Protanopia

20, 36.908, 284.144

Deuteranopia

21, 24.947, 267.333



Tritanopia
21, 16.756, 201.193

Trichromacy



Original Color
19, 97.038, 306.287

Protanomaly
18, 63.124, 299.645

Deuteranomaly
17, 55.809, 297.527

Tritanomaly
16, 42.367, 291.785

Monochromacy



Original Color
19, 97.038, 306.287

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, 97.005, 306.307 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(0, 0, 166)` looks like.

```
.text, #text, p{  
    color:rgb(0, 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(0, 0, 166) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 19, 97.005, 306.307 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(0, 0, 166) }
```

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

```
.border{ border-color:rgb(0, 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(0, 0, 166)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 19, 97.005, 306.307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(0, 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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