

Converting Colors

CIELCh(19, 93.352, 305.886)

Have a look what the booklet for
CIELCh(19, 93.352, 305.886)
contains.

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Color

CIELCh(19, 93.395, 305.855)

Conversions

Conversions Part 1

Format	Color
Hex	0306A2
RGB	3, 6, 162
RGB Percent	1%, 2%, 64%
CMY	0.9875, 0.9774, 0.3655
CMYK	0.98, 0.96, 0.00, 0.37
HSL	239°, 96%, 32%
HSV	239°, 98%, 63%
XYZ	6.6052, 2.7468, 34.2678
YIQ	22.8870, -51.8640, 47.8800

Conversions

Conversions Part 2

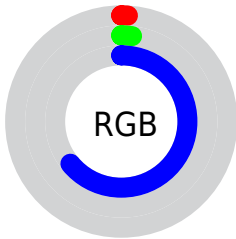
Format	Color
RYB	3, 6, 162
Decimal	198306
CIELab	19.00, 54.70, -75.70
CIELCh	19, 93.395, 305.855
Yxy	2.7468, 0.1514, 0.0630
Android (android.graphics.Color)	4278388386 (0xFF0306A2)
YUV	22.8870, 68.5827, -17.4409
Hunter-Lab	16.5735, 42.1358, -110.9877

Details

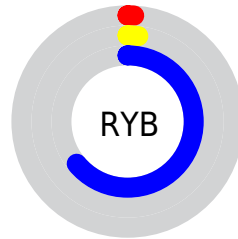
The CIELCh color **19, 93.395, 305.855** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **64, 67.719, 101.895**, and the grayscale version is **7, 0.002, 296.812**.

A 20% lighter version of the original color is **39, 93.232, 305.845**, and **10, 71.560, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **19, 94.423, 306.057**, and if you desaturate by 10%, it is **21, 87.475, 304.639**.

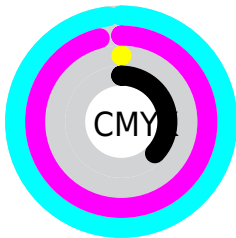
Distribution



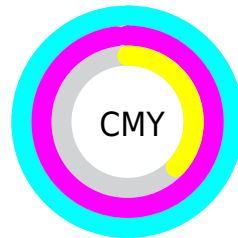
- Red (1%)
- Green (2%)
- Blue (64%)



- Red (1%)
- Yellow (2%)
- Blue (64%)



- Cyan (98%)
- Magenta (96%)
- Yellow (0%)
- Black (37%)



- Cyan (99%)
- Magenta (98%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 93.395, 305.855 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, 93.395, 305.855 by changing the saturation by 10% instead.

■ 19, 93.395,
305.855

■ 19, 93.395,
305.855

■ 100, 93.395,
305.855

■ 9, 93.395, 305.855

■ 39, 93.395,
305.855

■ 0, 93.395, 305.855

■ 49, 93.395,
305.855


■ 59, 93.395,
305.855


■ 69, 93.395,
305.855


■ 79, 93.395,
305.855


■ 89, 93.395,


305.855


 99, 93.395,
305.855


 19, 93.395,
305.855


 19, 93.395,
305.855


 19, 94.423,
306.057

 21, 87.475,
304.639

 25, 78.669,
302.791

 29, 68.245,
300.611

 34, 57.338,
298.393

 40, 46.543,
296.320

■ 45, 36.095,
294.474

■ 51, 26.057,
292.874

■ 56, 16.427,
291.506

■ 62, 7.179, 290.345

Harmonies

Complementary

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



19, 93.395, 305.855



64, 67.719, 101.895

Rectangle

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



19, 93.395, 305.855



19, 93.395, 355.855



19, 93.395, 125.855



19, 93.395, 175.855

Sweetspot

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



19, 93.397, 305.856



64, 33.319, 293.099



60, 35.968, 193.935



30, 23.006, 293.724



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



19, 93.397, 305.856



26, 114.512, 306.119



25, 88.115, 311.700



32, 5.103, 290.478



16, 87.191, 306.026



0, 7.829, 289.589

Inverse Universe

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



33, 72.451, 38.565



44, 89.333, 39.427



60, 76.440, 127.150



32, 3.629, 18.587



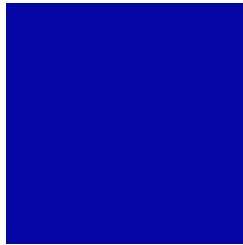
30, 67.492, 38.619



1, 5.466, 18.179

Previews

White Background



This preview shows how the CIE LCh color 19, 93.395, 305.855 looks on a white background.

Color Contrast Check

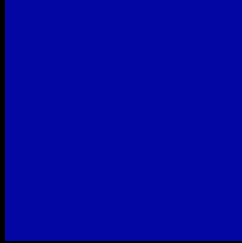
Large Text (above 18pt) WCAG AA ✓ Pass

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, 93.395, 305.855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

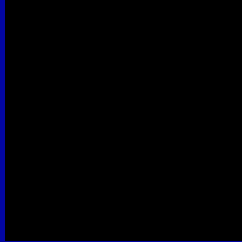
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 93.395, 305.855

Background



This preview shows how black text looks on a background with the CIELCh color 19, 93.395, 305.855.



This preview shows how white text looks on a background with the CIELCh color 19, 93.395, 305.855.

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, 93.425, 305.833

Protanopia

20, 35.728, 283.574

Deuteranopia

20, 24.381, 266.787



Tritanopia
20, 16.561, 201.264

Trichromacy



Original Color
19, 93.425, 305.833

Protanomaly
18, 60.673, 298.994

Deuteranomaly
17, 52.522, 296.163

Tritanomaly
16, 40.324, 290.538

Monochromacy



Original Color
19, 93.425, 305.833

Achromatopsia
8, 0.002, 296.812

Achromatomaly
9, 40.747, 301.272

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 93.395, 305.855 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(3, 6, 162)` looks like.

```
.text, #text, p{  
    color:rgb(3, 6, 162)  
}
```

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(3, 6, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 6, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 93.395, 305.855 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(3, 6, 162) }
```

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

```
.border{ border-color:rgb(3, 6, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 6, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 6, 162); -webkit-box-shadow:4px  
4px 4px 4px rgb(3, 6, 162); box-shadow:4px  
4px 4px 4px rgb(3, 6, 162) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 93.395, 305.855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 6, 162) }
```

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

```
.background{ background-color: rgb(3, 6,  
162) }
```

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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