

Converting Colors

CIELCh(19, 94.119, 305.792)

Have a look what the booklet for
CIELCh(19, 94.119, 305.792)
contains.

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Color

CIELCh(19, 94.257, 305.858)

Conversions

Conversions Part 1

Format	Color
Hex	0005A3
RGB	0, 5, 163
RGB Percent	0%, 2%, 64%
CMY	1.0000, 0.9807, 0.3611
CMYK	1.00, 0.97, 0.00, 0.36
HSL	238°, 100%, 32%
HSV	238°, 100%, 64%
XYZ	6.6544, 2.7468, 34.7962
YIQ	21.5170, -53.6980, 48.0780

Conversions

Conversions Part 2

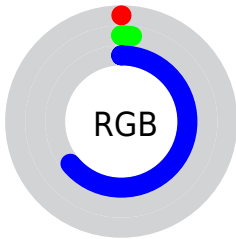
Format	Color
RYB	0, 5, 163
Decimal	1443
CIELab	19.00, 55.21, -76.39
CIELCh	19, 94.257, 305.858
Yxy	2.7468, 0.1506, 0.0621
Android (android.graphics.Color)	4278191523 (0xFF0005A3)
YUV	21.5170, 69.7511, -18.8704
Hunter-Lab	16.5735, 42.6655, -112.8782

Details

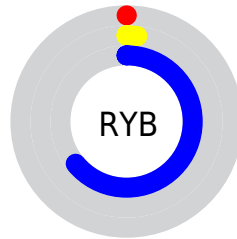
The CIELCh color **19, 94.257, 305.858** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **64, 67.802, 100.940**, and the grayscale version is **7, 0.002, 296.812**.

A 20% lighter version of the original color is **39, 94.277, 305.978**, and **10, 72.025, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **19, 94.251, 305.865**, and if you desaturate by 10%, it is **21, 88.549, 304.678**.

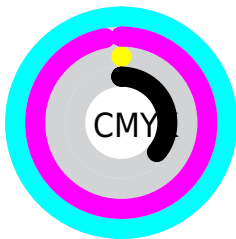
Distribution



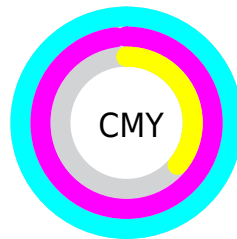
- Red (0%)
- Green (2%)
- Blue (64%)



- Red (0%)
- Yellow (2%)
- Blue (64%)



- Cyan (100%)
- Magenta (97%)
- Yellow (0%)
- Black (36%)



- Cyan (100%)
- Magenta (98%)
- Yellow (36%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 94.257, 305.858 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, 94.257, 305.858 by changing the saturation by 10% instead.

 19, 94.257,
305.858

 19, 94.257,
305.858

 100, 94.257,
305.858

 9, 94.257, 305.858

 39, 94.257,
305.858

 0, 94.257, 305.858

 49, 94.257,
305.858

 59, 94.257,
305.858

 69, 94.257,
305.858


 79, 94.257,
305.858

 89, 94.257,


305.858


 99, 94.257,
305.858


 19, 94.257,
305.858


 19, 94.257,
305.858


 19, 94.251,
305.865

 21, 88.549,
304.678

 24, 80.008,
302.829

 29, 69.745,
300.619

 34, 58.923,
298.346

 39, 48.173,
296.207

■ 45, 37.754,
294.294

■ 50, 27.738,
292.631

■ 56, 18.125,
291.206

■ 61, 8.891, 289.995

Harmonies

Complementary

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



19, 94.257, 305.858



64, 67.802, 100.940

Rectangle

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



19, 94.257, 305.858



19, 94.257, 355.858



19, 94.257, 125.858



19, 94.257, 175.858

Sweetspot

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



19, 94.251, 305.865



64, 34.361, 292.717



60, 36.795, 191.444



31, 23.826, 293.360



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



19, 94.251, 305.865



26, 114.977, 305.981



24, 89.795, 311.272



32, 5.029, 289.914



16, 86.490, 305.803



0, 7.729, 289.072

Inverse Universe

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



34, 73.341, 38.546



44, 89.593, 38.967



60, 77.071, 126.741



32, 3.629, 17.460



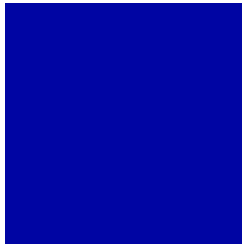
30, 67.011, 38.059



1, 5.471, 17.132

Previews

White Background



This preview shows how the CIE LCh color 19, 94.257, 305.858 looks on a white background.

Color Contrast Check

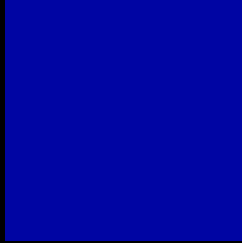
Large Text (above 18pt) WCAG AA ✓ Pass

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, 94.257, 305.858 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

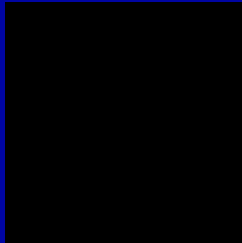
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 94.257, 305.858

Background



This preview shows how black text looks on a background with the CIELCh color 19, 94.257, 305.858.



This preview shows how white text looks on a background with the CIELCh color 19, 94.257, 305.858.

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, 94.257, 305.858

Protanopia

20, 35.668, 283.136

Deuteranopia

20, 24.925, 267.900



Tritanopia
20, 16.561, 201.264

Trichromacy



Original Color
19, 94.257, 305.858

Protanomaly
18, 61.279, 299.053

Deuteranomaly
17, 53.875, 296.738

Tritanomaly
16, 40.984, 290.735

Monochromacy



Original Color
19, 94.257, 305.858

Achromatopsia
7, 0.002, 296.812

Achromatomaly
8, 42.307, 301.625

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 94.257, 305.858 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, 5, 163)` looks like.

```
.text, #text, p{  
    color:rgb(0, 5, 163)  
}
```

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, 5, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 5, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 94.257, 305.858 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, 5, 163) }
```

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

```
.border{ border-color:rgb(0, 5, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 5, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 5, 163); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 5, 163); box-shadow:4px  
4px 4px 4px rgb(0, 5, 163) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 94.257, 305.858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 5, 163) }
```

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

```
.background{ background-color: rgb(0, 5,  
163) }
```

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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