

Converting Colors

CIELCh(19, 91.877, 306.653)

Have a look what the booklet for
CIELCh(19, 91.877, 306.653)
contains.

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Color

CIELCh(19, 92.181, 306.660)

Conversions

Conversions Part 1

Format	Color
Hex	17039F
RGB	23, 3, 159
RGB Percent	9%, 1%, 62%
CMY	0.9102, 0.9884, 0.3766
CMYK	0.86, 0.98, 0.00, 0.38
HSL	248°, 96%, 32%
HSV	248°, 98%, 62%
XYZ	6.6374, 2.7468, 32.9623
YIQ	26.7640, -38.1560, 52.7560

Conversions

Conversions Part 2

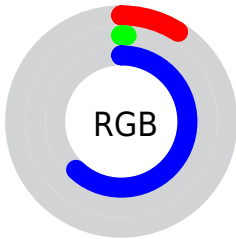
Format	Color
R_{YB}	23, 3, 159
Decimal	1508255
CIE _{Lab}	19.00, 55.04, -73.95
CIE _{LCh}	19, 92.181, 306.660
Yxy	2.7468, 0.1567, 0.0649
Android (android.graphics.Color)	4279698335 (0xFF17039F)
YUV	26.7640, 65.1923, -3.3010
Hunter-Lab	16.5735, 42.4824, -106.3177

Details

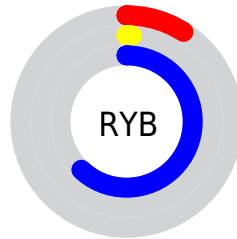
The CIELCh color **19, 92.181, 306.660** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **62, 68.392, 110.474**, and the grayscale version is **9, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 92.008, 306.673**, and **9, 70.160, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **19, 93.201, 306.813**, and if you desaturate by 10%, it is **21, 86.397, 305.967**.

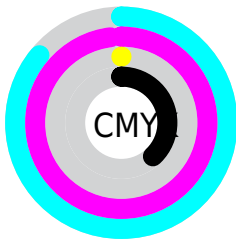
Distribution



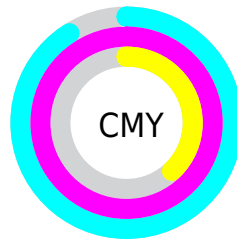
- Red (9%)
- Green (1%)
- Blue (62%)



- Red (9%)
- Yellow (1%)
- Blue (62%)



- Cyan (86%)
- Magenta (98%)
- Yellow (0%)
- Black (38%)



- Cyan (91%)
- Magenta (99%)
- Yellow (38%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 92.181, 306.660 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, 92.181, 306.660 by changing the saturation by 10% instead.

 19, 92.181,
306.660

 19, 92.181,
306.660

 100, 92.181,
306.660


 9, 92.181, 306.660


 39, 92.181,
306.660

 0, 92.181, 306.660

 49, 92.181,
306.660

 59, 92.181,
306.660

 69, 92.181,
306.660


 79, 92.181,
306.660


 89, 92.181,


306.660


 99, 92.181,
306.660


 19, 92.181,
306.660


 19, 92.181,
306.660


 19, 93.201,
306.813

 21, 86.397,
305.967

 25, 78.083,
304.831

 29, 68.097,
303.380

 34, 57.475,
301.840

 39, 46.816,
300.356

■ 45, 36.400,
298.999

■ 50, 26.335,
297.797

■ 56, 16.648,
296.749

■ 61, 7.333, 295.845

Harmonies

Complementary

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



19, 92.181, 306.660



62, 68.392, 110.474

Rectangle

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



19, 92.181, 306.660



19, 92.181, 356.660



19, 92.181, 126.660



19, 92.181, 176.660

Sweetspot

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



19, 92.183, 306.661



63, 33.678, 297.956



53, 30.946, 216.972



31, 23.479, 298.431



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, 92.183, 306.661



26, 113.366, 306.721



27, 84.712, 315.079



31, 5.078, 295.937



16, 86.105, 306.860



0, 6.535, 294.941

Inverse Universe

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



37, 73.243, 333.895



48, 89.123, 334.132



58, 78.581, 131.096



31, 5.590, 328.641



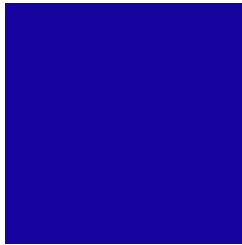
32, 68.027, 333.946



1, 7.145, 328.931

Previews

White Background



This preview shows how the CIE LCh color 19, 92.181, 306.660 looks on a white background.

Color Contrast Check

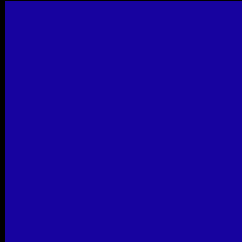
Large Text (above 18pt) WCAG AA ✓ Pass

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, 92.181, 306.660 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

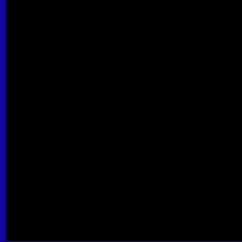
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 92.181, 306.660

Background



This preview shows how black text looks on a background with the CIELCh color 19, 92.181, 306.660.



This preview shows how white text looks on a background with the CIELCh color 19, 92.181, 306.660.

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, 92.181, 306.660

Protanopia

20, 35.728, 283.574

Deuteranopia

20, 24.381, 266.787



Tritanopia
20, 16.561, 201.264

Trichromacy



Original Color
19, 92.181, 306.660

Protanomaly
18, 60.638, 299.705

Deuteranomaly
17, 52.518, 297.092

Tritanomaly
16, 40.307, 292.013

Monochromacy



Original Color
19, 92.181, 306.660

Achromatopsia
10, 0.003, 296.813

Achromatomaly
10, 40.931, 303.848

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 92.181, 306.660 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(23, 3, 159)` looks like.

```
.text, #text, p{  
    color:rgb(23, 3, 159)  
}
```

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(23, 3, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 3, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 92.181, 306.660 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(23, 3, 159) }
```

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

```
.border{ border-color:rgb(23, 3, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 3, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 3, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 3, 159);  
box-shadow:4px 4px 4px 4px rgb(23, 3, 159)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 92.181, 306.660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 3, 159) }
```

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

```
.background{ background-color: rgb(23, 3,  
159) }
```

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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