

Converting Colors

CIELCh(19, 90.559, 306.204)

Have a look what the booklet for
CIELCh(19, 90.559, 306.204)
contains.

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Color

CIELCh(19, 90.714, 306.198)

Conversions

Conversions Part 1

Format	Color
Hex	13079E
RGB	19, 7, 158
RGB Percent	7%, 3%, 62%
CMY	0.9242, 0.9738, 0.3814
CMYK	0.88, 0.96, 0.00, 0.38
HSL	245°, 92%, 32%
HSV	245°, 96%, 62%
XYZ	6.4968, 2.7468, 32.4186
YIQ	27.8020, -41.3190, 49.5050

Conversions

Conversions Part 2

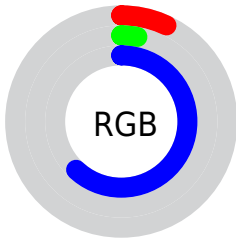
Format	Color
R_{YB}	19, 7, 158
Decimal	1247134
CIE Lab	19.00, 53.57, -73.20
CIE LCh	19, 90.714, 306.198
Yxy	2.7468, 0.1559, 0.0659
Android (android.graphics.Color)	4279437214 (0xFF13079E)
YUV	27.8020, 64.1876, -7.7194
Hunter-Lab	16.5735, 40.9679, -104.3727

Details

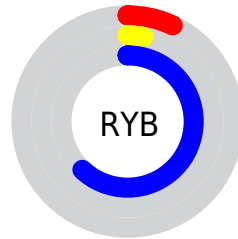
The CIELCh color **19, 90.714, 306.198** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **62, 67.069, 107.869**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 90.506, 306.135**, and **9, 69.692, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **18, 92.997, 306.593**, and if you desaturate by 10%, it is **22, 84.461, 305.267**.

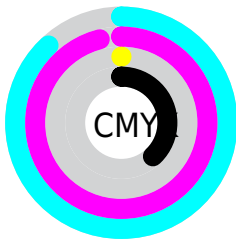
Distribution



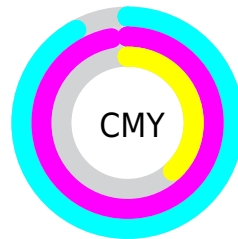
- Red (7%)
- Green (3%)
- Blue (62%)



- Red (7%)
- Yellow (3%)
- Blue (62%)



- Cyan (88%)
- Magenta (96%)
- Yellow (0%)
- Black (38%)



- Cyan (92%)
- Magenta (97%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 90.714, 306.198 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, 90.714, 306.198 by changing the saturation by 10% instead.

■ 19, 90.714,
306.198

■ 19, 90.714,
306.198

■ 100, 90.714,
306.198

■ 9, 90.714, 306.198

■ 39, 90.714,
306.198

■ 0, 90.714, 306.198

■ 49, 90.714,
306.198


■ 59, 90.714,
306.198


■ 69, 90.714,
306.198


■ 79, 90.714,
306.198


■ 89, 90.714,

306.198


 99, 90.714,
306.198


 19, 90.714,
306.198


 19, 90.714,
306.198


 18, 92.997,
306.593

 22, 84.461,
305.267

 25, 75.574,
303.824

 30, 65.296,
302.121

 35, 54.600,
300.385

 40, 43.997,
298.755

■ 45, 33.703,
297.292

■ 51, 23.791,
296.011

■ 56, 14.267,
294.905

■ 62, 5.117, 293.958

Harmonies

Complementary

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



19, 90.714, 306.198



62, 67.069, 107.869

Rectangle

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



19, 90.714, 306.198



19, 90.714, 356.198



19, 90.714, 126.198



19, 90.714, 176.198

Sweetspot

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



19, 90.716, 306.199



63, 33.282, 296.475



55, 31.466, 210.175



30, 22.968, 296.987



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



19, 90.716, 306.199



25, 112.667, 306.524



27, 83.839, 314.285



31, 5.065, 294.271



16, 86.420, 306.627



0, 6.520, 293.299

Inverse Universe

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



37, 74.939, 331.657



48, 91.432, 331.898



58, 76.574, 130.041



31, 5.765, 327.275



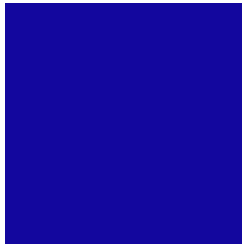
33, 70.371, 331.791



1, 7.407, 327.319

Previews

White Background



This preview shows how the CIE LCh color 19, 90.714, 306.198 looks on a white background.

Color Contrast Check

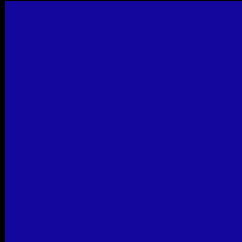
Large Text (above 18pt) WCAG AA ✓ Pass

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, 90.714, 306.198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

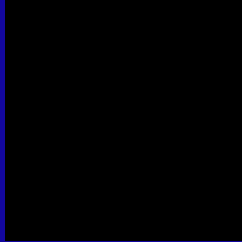
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 90.714, 306.198

Background



This preview shows how black text looks on a background with the CIELCh color 19, 90.714, 306.198.



This preview shows how white text looks on a background with the CIELCh color 19, 90.714, 306.198.

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, 90.761, 306.160

Protanopia

20, 35.107, 283.050

Deuteranopia

20, 24.357, 267.367



Tritanopia
20, 16.364, 201.337

Trichromacy



Original Color
19, 90.761, 306.160

Protanomaly
18, 59.383, 299.152

Deuteranomaly
17, 51.918, 296.831

Tritanomaly
16, 38.934, 290.779

Monochromacy



Original Color
19, 90.761, 306.160

Achromatopsia
10, 0.003, 296.813

Achromatomaly
11, 39.531, 302.521

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 90.714, 306.198 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(19, 7, 158)` looks like.

```
.text, #text, p{  
    color:rgb(19, 7, 158)  
}
```

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(19, 7, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 7, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 90.714, 306.198 is called "border". The border property can be set on classes, ids or directly on the HTML element.

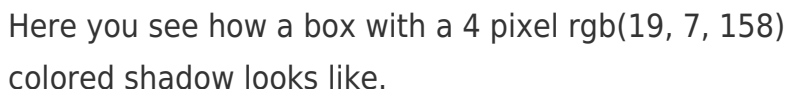
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(19, 7, 158) }
```

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

```
.border{ border-color:rgb(19, 7, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(19, 7, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 7, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 7, 158);  
box-shadow:4px 4px 4px 4px rgb(19, 7, 158)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 90.714, 306.198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 7, 158) }
```

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

```
.background{ background-color: rgb(19, 7,  
158) }
```

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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