

Converting Colors

CIELCh(19, 91.700, 307.655)

Have a look what the booklet for
CIELCh(19, 91.700, 307.655)
contains.

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Color

CIELCh(19, 91.340, 307.556)

Conversions

Conversions Part 1

Format	Color
Hex	22009C
RGB	34, 0, 156
RGB Percent	13%, 0%, 61%
CMY	0.8662, 1.0000, 0.3863
CMYK	0.78, 1.00, 0.00, 0.39
HSL	253°, 100%, 31%
HSV	253°, 100%, 61%
XYZ	6.6992, 2.7468, 31.8439
YIQ	27.9500, -29.8120, 55.7240

Conversions

Conversions Part 2

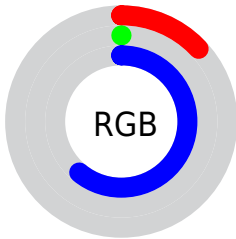
Format	Color
R_{YB}	34, 0, 156
Decimal	2228380
CIE _{Lab}	19.00, 55.68, -72.41
CIE _{LCh}	19, 91.340, 307.556
Yxy	2.7468, 0.1622, 0.0665
Android (android.graphics.Color)	4280418460 (0xFF22009C)
YUV	27.9500, 63.1287, 5.3059
Hunter-Lab	16.5735, 43.1479, -102.3166

Details

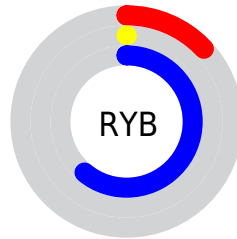
The CIELCh color **19, 91.340, 307.556** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **60, 69.311, 115.540**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 90.823, 307.432**, and **9, 68.754, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **19, 91.177, 307.511**, and if you desaturate by 10%, it is **21, 85.671, 307.137**.

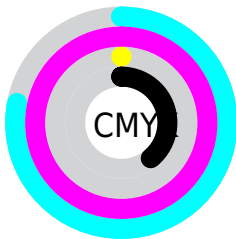
Distribution



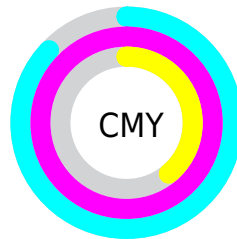
- Red (13%)
- Green (0%)
- Blue (61%)



- Red (13%)
- Yellow (0%)
- Blue (61%)



- Cyan (78%)
- Magenta (100%)
- Yellow (0%)
- Black (39%)





- Cyan (87%)
- Magenta (100%)
- Yellow (39%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 91.340, 307.556 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, 91.340, 307.556 by changing the saturation by 10% instead.

 19, 91.340,
307.556


 19, 91.340,
307.556


 100, 91.340,
307.556


 9, 91.340, 307.556


 39, 91.340,
307.556

 0, 91.340, 307.556

 49, 91.340,
307.556


 59, 91.340,
307.556


 69, 91.340,
307.556


 79, 91.340,
307.556


 89, 91.340,


307.556


 99, 91.340,
307.556

 19, 91.340,
307.556


 19, 91.340,
307.556

 19, 91.177,
307.511

 21, 85.671,
307.137

 25, 78.123,
306.461

 29, 68.777,
305.448

 33, 58.600,
304.292

 38, 48.214,
303.126

■ 44, 37.949,
302.027

■ 49, 27.957,
301.028

■ 54, 18.297,
300.141

■ 59, 8.983, 299.363

Harmonies

Complementary

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



19, 91.340, 307.556



60, 69.311, 115.540

Rectangle

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



19, 91.340, 307.556



19, 91.340, 357.556



19, 91.340, 127.556



19, 91.340, 177.556

Sweetspot

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



19, 91.177, 307.511



63, 34.735, 301.084



48, 30.755, 238.595



30, 23.811, 301.462



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, 91.177, 307.511



26, 111.220, 307.370



29, 82.838, 318.011



31, 5.116, 299.309



17, 85.204, 307.570



1, 6.583, 298.255

Inverse Universe

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



35, 67.939, 339.105



46, 82.452, 339.370



57, 80.248, 133.288



31, 5.245, 331.708



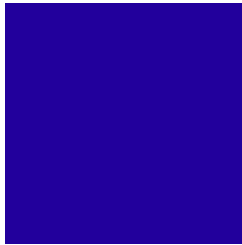
32, 63.620, 338.999



1, 6.655, 332.399

Previews

White Background



This preview shows how the CIE LCh color 19, 91.340, 307.556 looks on a white background.

Color Contrast Check

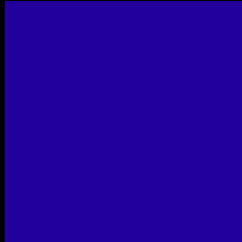
Large Text (above 18pt) WCAG AA ✓ Pass

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, 91.340, 307.556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

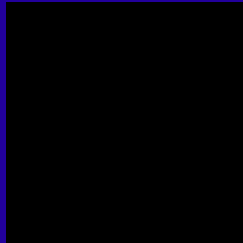
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 91.340, 307.556

Background



This preview shows how black text looks on a background with the CIELCh color 19, 91.340, 307.556.



This preview shows how white text looks on a background with the CIELCh color 19, 91.340, 307.556.

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, 90.970, 307.512

Protanopia

20, 35.668, 283.136

Deuteranopia

20, 24.925, 267.900



Tritanopia
20, 16.442, 203.764

Trichromacy



Original Color
19, 90.970, 307.512

Protanomaly
18, 60.564, 299.974

Deuteranomaly
17, 53.883, 298.361

Tritanomaly
16, 40.988, 293.332

Monochromacy



Original Color
19, 90.970, 307.512

Achromatopsia
10, 0.003, 296.813

Achromatomaly
11, 40.773, 305.262

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 91.340, 307.556 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(34, 0, 156)` looks like.

```
.text, #text, p{  
    color:rgb(34, 0, 156)  
}
```

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(34, 0, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 0, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 91.340, 307.556 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(34, 0, 156) }
```

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

```
.border{ border-color:rgb(34, 0, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 0, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 0, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 0, 156);  
box-shadow:4px 4px 4px 4px rgb(34, 0, 156)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 91.340, 307.556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 0, 156) }
```

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

```
.background{ background-color: rgb(34, 0,  
156) }
```

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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