

Converting Colors

CIELCh(19, 68.438, 303.538)

Have a look what the booklet for
CIELCh(19, 68.438, 303.538)
contains.

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Color

CIELCh(19, 68.739, 303.660)

Conversions

Conversions Part 1

Format	Color
Hex	1F1B84
RGB	31, 27, 132
RGB Percent	12%, 11%, 52%
CMY	0.8780, 0.8939, 0.4821
CMYK	0.76, 0.80, 0.00, 0.48
HSL	242°, 66%, 31%
HSV	242°, 80%, 52%
XYZ	5.1304, 2.7468, 22.1126
YIQ	40.1660, -31.3210, 33.5030

Conversions

Conversions Part 2

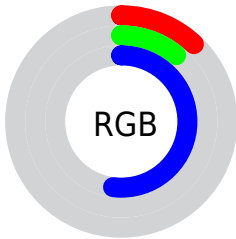
Format	Color
R_{YB}	31, 27, 132
Decimal	2038660
CIE _{Lab}	19.00, 38.10, -57.21
CIE _{LCh}	19, 68.739, 303.660
Yxy	2.7468, 0.1711, 0.0916
Android (android.graphics.Color)	4280228740 (0xFF1F1B84)
YUV	40.1660, 45.2742, -8.0386
Hunter-Lab	16.5735, 26.2514, -67.5038




Details

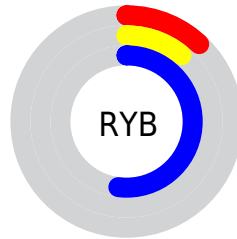
The CIELCh color **19, 68.739, 303.660** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **53, 53.548, 105.585**, and the grayscale version is **16, 0.003, 296.813**.




A 20% lighter version of the original color is **39, 68.460, 303.696**, and **5, 56.802, 305.403** is the 20% darker color. If you saturate the color by 10%, you get **16, 76.011, 305.183**, and if you desaturate by 10%, it is **23, 59.973, 301.799**.

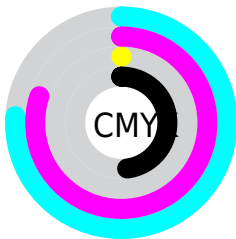
Distribution







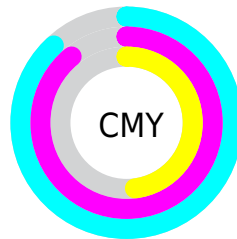
-  Red (12%)
-  Green (11%)
-  Blue (52%)






-  Red (12%)
-  Yellow (11%)
-  Blue (52%)



-  Cyan (76%)
-  Magenta (80%)
-  Yellow (0%)
-  Black (48%)



-  Cyan (88%)
-  Magenta (89%)
-  Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 68.739, 303.660 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, 68.739, 303.660 by changing the saturation by 10% instead.

■ 19, 68.739,
303.660

■ 19, 68.739,
303.660

■ 100, 68.739,
303.660

■ 9, 68.739, 303.660

■ 39, 68.739,
303.660

■ 0, 68.739, 303.660

■ 49, 68.739,
303.660

■ 59, 68.739,
303.660

■ 69, 68.739,
303.660


■ 79, 68.739,
303.660


■ 89, 68.739,

303.660


 99, 68.739,
303.660


 19, 68.739,
303.660


 19, 68.739,
303.660


 16, 76.011,
305.183


 23, 59.973,
301.799


 14, 81.591,
306.392

 27, 50.683,
299.862

 14, 81.876,
306.457

 32, 41.412,
298.022

 36, 32.393,
296.363

 41, 23.707,
294.909

■ 46, 15.363,
293.655

■ 51, 7.348, 292.581

■ 55, 0.359, 111.554

■ 60, 7.781, 110.863

Harmonies

Complementary

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



19, 68.739, 303.660



53, 53.548, 105.585

Rectangle

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



19, 68.739, 303.660



19, 68.739, 353.660



19, 68.739, 123.660



19, 68.739, 173.660

Sweetspot

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



19, 68.740, 303.661



56, 23.552, 294.260



49, 27.746, 200.963



27, 16.408, 294.656



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



19, 68.740, 303.661



21, 96.354, 305.941



25, 65.785, 313.443



25, 4.366, 292.543



14, 80.968, 306.460



0, 1.029, 291.696

Inverse Universe

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



32, 63.234, 329.265



40, 82.175, 329.711



50, 59.344, 127.514



26, 5.136, 325.954



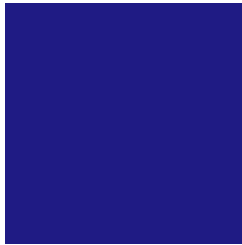
30, 68.096, 329.779



0, 1.223, 325.485

Previews

White Background



This preview shows how the CIE LCh color 19, 68.739, 303.660 looks on a white background.

Color Contrast Check

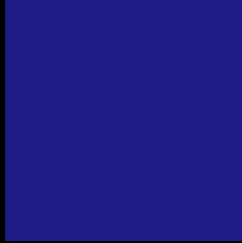
Large Text (above 18pt) WCAG AA ✓ Pass

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, 68.739, 303.660 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

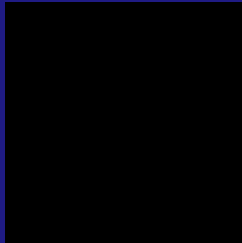
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 68.739, 303.660

Background



This preview shows how black text looks on a background with the CIELCh color 19, 68.739, 303.660.



This preview shows how white text looks on a background with the CIELCh color 19, 68.739, 303.660.

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, 68.739, 303.660

Protanopia

19, 34.603, 283.416

Deuteranopia

19, 24.316, 268.541



Tritanopia
19, 15.854, 204.108

Trichromacy



Original Color
19, 68.739, 303.660

Protanomaly
18, 47.701, 294.745

Deuteranomaly
18, 41.163, 291.413

Tritanomaly
18, 28.148, 280.745

Monochromacy



Original Color
19, 68.739, 303.660

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 26.627, 298.189

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 68.739, 303.660 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(31, 27, 132)` looks like.

```
.text, #text, p{  
    color:rgb(31, 27, 132)  
}
```

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(31, 27, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 27, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 68.739, 303.660 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(31, 27, 132) }
```

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

```
.border{ border-color:rgb(31, 27, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 27, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 27, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 27, 132);  
box-shadow:4px 4px 4px 4px rgb(31, 27,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 68.739, 303.660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 27, 132) }
```

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

```
.background{ background-color: rgb(31, 27,  
132) }
```

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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