

Converting Colors

CIELCh(19, 39.512, 295.136)

Have a look what the booklet for
CIELCh(19, 39.512, 295.136)
contains.

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Color

CIELCh(19, 39.402, 294.983)

Conversions

Conversions Part 1

Format	Color
Hex	1F2963
RGB	31, 41, 99
RGB Percent	12%, 16%, 39%
CMY	0.8799, 0.8403, 0.6130
CMYK	0.69, 0.59, 0.00, 0.61
HSL	231°, 53%, 25%
HSV	231°, 69%, 39%
XYZ	3.5736, 2.7468, 12.0642
YIQ	44.6220, -24.5780, 15.9180

Conversions

Conversions Part 2

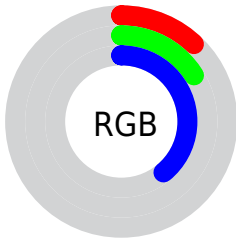
Format	Color
RYB	31, 40, 99
Decimal	2042211
CIELab	19.00, 16.64, -35.72
CIELCh	19, 39.402, 294.983
Yxy	2.7468, 0.1944, 0.1494
Android (android.graphics.Color)	4280232291 (0xFF1F2963)
YUV	44.6220, 26.8084, -11.9465
Hunter-Lab	16.5735, 9.4841, -31.5570




Details

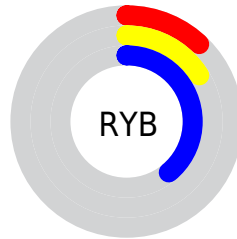
The CIELCh color **19, 39.402, 294.983** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **37, 34.133, 96.060**, and the grayscale version is **18, 0.003, 296.813**.




A 20% lighter version of the original color is **39, 39.111, 294.967**, and **2, 34.482, 297.155** is the 20% darker color. If you saturate the color by 10%, you get **16, 45.797, 297.543**, and if you desaturate by 10%, it is **22, 33.117, 292.596**.

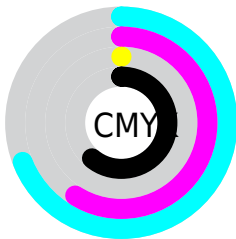
Distribution







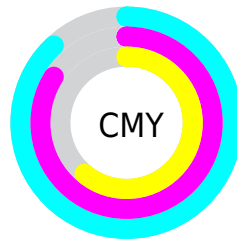
-  Red (12%)
-  Green (16%)
-  Blue (39%)






-  Red (12%)
-  Yellow (16%)
-  Blue (39%)



-  Cyan (69%)
-  Magenta (59%)
-  Yellow (0%)
-  Black (61%)



-  Cyan (88%)
-  Magenta (84%)
-  Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 39.402, 294.983 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, 39.402, 294.983 by changing the saturation by 10% instead.

■ 19, 39.402,
294.983

■ 19, 39.402,
294.983

■ 100, 39.402,
294.983

■ 9, 39.402, 294.983

■ 39, 39.402,
294.983

■ 0, 39.402, 294.983

■ 49, 39.402,
294.983

■ 59, 39.402,
294.983

■ 69, 39.402,
294.983

■ 79, 39.402,
294.983

■ 89, 39.402,

294.983

99, 39.402,
294.983

19, 39.402,
294.983

19, 39.402,
294.983

16, 45.797,
297.543

22, 33.117,
292.596

13, 52.084,
300.127

25, 27.023,
290.449

11, 57.921,
302.325

29, 21.139,
288.562

11, 58.485,
302.511

32, 15.457,
286.925

35, 9.963, 285.513

■ 39, 4.641, 284.302

■ 42, 0.521, 103.081

■ 45, 5.534, 102.301

■ 49, 10.405,
101.510

Harmonies

Complementary

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



19, 39.402, 294.983



37, 34.133, 96.060

Rectangle

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



19, 39.402, 294.983



19, 39.402, 344.983



19, 39.402, 114.983



19, 39.402, 164.983

Sweetspot

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



19, 39.402, 294.984



45, 13.675, 285.866



38, 23.776, 180.998



21, 9.201, 286.114



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



19, 39.402, 294.984



20, 59.847, 299.216



19, 46.155, 308.189



18, 2.859, 284.290



13, 64.861, 302.894



33, 118.769, 304.255

Inverse Universe

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



23, 33.152, 18.020



27, 48.556, 23.829



39, 40.143, 120.604



18, 2.382, 7.914



22, 51.164, 30.425



50, 92.608, 33.919

Previews

White Background



This preview shows how the CIE LCh color 19, 39.402, 294.983 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, 39.402, 294.983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

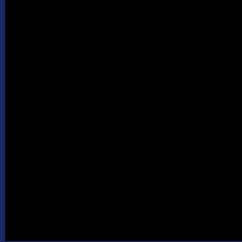
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 39.402, 294.983

Background



This preview shows how black text looks on a background with the CIELCh color 19, 39.402, 294.983.



This preview shows how white text looks on a background with the CIELCh color 19, 39.402, 294.983.

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, 39.402, 294.983

Protanopia

19, 34.603, 283.416

Deuteranopia

19, 24.877, 269.630



Tritanopia
19, 15.854, 204.108

Trichromacy



Original Color
19, 39.402, 294.983

Protanomaly
19, 36.431, 287.628

Deuteranomaly
19, 29.961, 281.552

Tritanomaly
19, 18.352, 258.735

Monochromacy



Original Color
19, 39.402, 294.983

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 14.534, 287.564

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 39.402, 294.983 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, 41, 99)` looks like.

```
.text, #text, p{  
    color:rgb(31, 41, 99)  
}
```

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, 41, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 41, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 39.402, 294.983 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, 41, 99) }
```

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

```
.border{ border-color:rgb(31, 41, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 41, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 41, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 41, 99);  
box-shadow:4px 4px 4px 4px rgb(31, 41, 99)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 39.402, 294.983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 41, 99) }
```

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

```
.background{ background-color: rgb(31, 41,  
99) }
```

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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