

Converting Colors

CIELCh(19, 28.738, 309.760)

Have a look what the booklet for
CIELCh(19, 28.738, 309.760)
contains.

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Color

CIELCh(19, 28.133, 309.857)

Conversions

Conversions Part 1

Format	Color
Hex	38264E
RGB	56, 38, 78
RGB Percent	22%, 15%, 31%
CMY	0.7815, 0.8520, 0.6953
CMYK	0.28, 0.51, 0.00, 0.70
HSL	267°, 35%, 23%
HSV	267°, 51%, 30%
XYZ	3.6631, 2.7468, 7.4881
YIQ	47.9420, -2.1120, 16.2560

Conversions

Conversions Part 2

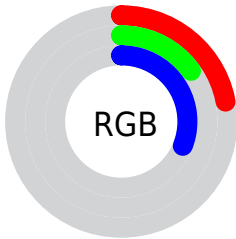
Format	Color
RYB	56, 38, 78
Decimal	3679822
CIELab	19.00, 18.03, -21.60
CIELCh	19, 28.133, 309.857
Yxy	2.7468, 0.2636, 0.1976
Android (android.graphics.Color)	4281869902 (0xFF38264E)
YUV	47.9420, 14.8186, 7.0669
Hunter-Lab	16.5735, 10.4490, -15.1865

Details

The CIELCh color **19, 28.133, 309.857** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **31, 26.049, 125.074**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 28.146, 309.959**, and **2, 20.586, 301.639** is the 20% darker color. If you saturate the color by 10%, you get **16, 33.743, 310.391**, and if you desaturate by 10%, it is **22, 22.474, 309.306**.

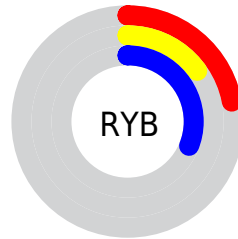
Distribution



 Red (22%)

 Green (15%)

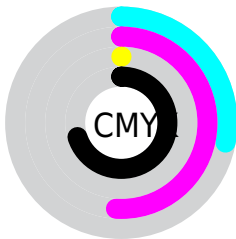
 Blue (31%)



 Red (22%)

 Yellow (15%)

 Blue (31%)

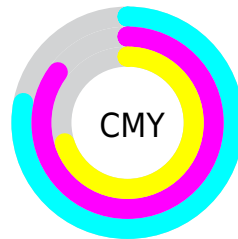


 Cyan (28%)

 Magenta (51%)

 Yellow (0%)

 Black (70%)



 Cyan (78%)

 Magenta (85%)

 Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 28.133, 309.857 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, 28.133, 309.857 by changing the saturation by 10% instead.

■ 19, 28.133,
309.857

■ 19, 28.133,
309.857

■ 100, 28.133,
309.857

■ 9, 28.133, 309.857

■ 39, 28.133,
309.857

■ 0, 28.133, 309.857

■ 49, 28.133,
309.857

■ 59, 28.133,
309.857

■ 69, 28.133,
309.857

■ 79, 28.133,
309.857

■ 89, 28.133,

309.857

99, 28.133,
309.857

19, 28.133,
309.857

19, 28.133,
309.857

16, 33.743,
310.391

22, 22.474,
309.306

14, 39.152,
310.862

24, 16.864,
308.766

12, 44.122,
311.204

27, 11.356,
308.254

10, 48.512,
311.402

30, 5.979, 307.777

8, 52.777, 311.864

33, 0.747, 307.285

35, 4.336, 126.976

■ 38, 9.270, 126.622

■ 41, 14.061,
126.311

■ 44, 18.713,
126.037

Harmonies

Complementary

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



19, 28.133, 309.857



31, 26.049, 125.074

Rectangle

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



19, 28.133, 309.857



19, 28.133, 359.857



19, 28.133, 129.857



19, 28.133, 179.857

Sweetspot

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



19, 28.132, 309.857



38, 9.872, 307.969



24, 13.701, 255.964



18, 6.660, 308.021



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



19, 28.132, 309.857



22, 42.653, 310.537



22, 30.063, 324.883



14, 2.868, 307.648



13, 63.955, 311.442



35, 116.660, 310.661

Inverse Universe

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



21, 22.697, 345.550



26, 33.449, 347.195



29, 29.994, 139.332



14, 2.413, 341.605



20, 44.131, 355.121



50, 79.043, 357.889

Previews

White Background



This preview shows how the CIE LCh color 19, 28.133, 309.857 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 CIE LCh color 19, 28.133, 309.857 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

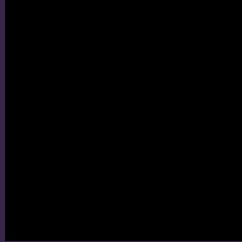
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 28.133, 309.857

Background



This preview shows how black text looks on a background with the CIELCh color 19, 28.133, 309.857.



This preview shows how white text looks on a background with the CIELCh color 19, 28.133, 309.857.

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, 28.133, 309.857

Protanopia

19, 27.532, 285.451

Deuteranopia

19, 20.408, 277.207



Tritanopia
19, 3.138, 339.214

Trichromacy



Original Color
19, 28.133, 309.857

Protanomaly
19, 27.419, 293.113

Deuteranomaly
19, 22.613, 290.177

Tritanomaly
19, 12.523, 313.180

Monochromacy



Original Color
19, 28.133, 309.857

Achromatopsia
20, 0.004, 296.813

Achromatomaly
19, 10.770, 308.970

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 28.133, 309.857 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(56, 38, 78)` looks like.

```
.text, #text, p{  
    color:rgb(56, 38, 78)  
}
```

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(56, 38, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 38, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 28.133, 309.857 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(56, 38, 78) }
```

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

```
.border{ border-color:rgb(56, 38, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 38, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 38, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 38, 78);  
box-shadow:4px 4px 4px 4px rgb(56, 38, 78)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 28.133, 309.857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 38, 78) }
```

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

```
.background{ background-color: rgb(56, 38,  
78) }
```

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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