

Converting Colors

CIELCh(19, 10.408, 312.240)

Have a look what the booklet for
CIELCh(19, 10.408, 312.240)
contains.

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Color

CIELCh(19, 10.293, 312.446)

Conversions

Conversions Part 1

Format	Color
Hex	332B39
RGB	51, 43, 57
RGB Percent	20%, 17%, 22%
CMY	0.7993, 0.8307, 0.7757
CMYK	0.10, 0.24, 0.00, 0.78
HSL	274°, 14%, 20%
HSV	274°, 24%, 22%
XYZ	2.9883, 2.7468, 4.2683
YIQ	46.9880, 0.2740, 6.0500

Conversions

Conversions Part 2

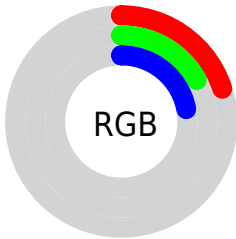
Format	Color
RYB	51, 43, 57
Decimal	3353401
CIELab	19.00, 6.95, -7.60
CIELCh	19, 10.293, 312.446
Yxy	2.7468, 0.2987, 0.2746
Android (android.graphics.Color)	4281543481 (0xFF332B39)
YUV	46.9880, 4.9359, 3.5185
Hunter-Lab	16.5735, 3.1807, -3.6677

Details

The CIELCh color **19, 10.293, 312.446** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **23, 10.048, 130.600**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 10.523, 311.841**, and **0, 5.835, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **17, 14.626, 312.856**, and if you desaturate by 10%, it is **21, 6.027, 312.048**.

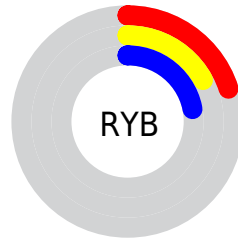
Distribution



Red (20%)

Green (17%)

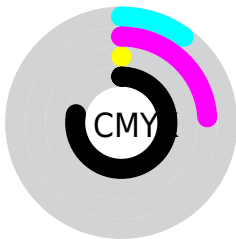
Blue (22%)



Red (20%)

Yellow (17%)

Blue (22%)

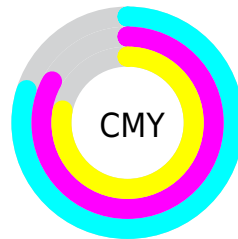


Cyan (10%)

Magenta (24%)

Yellow (0%)

Black (78%)



Cyan (80%)

Magenta (83%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 10.293, 312.446 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, 10.293, 312.446 by changing the saturation by 10% instead.

■ 19, 10.293,
312.446

■ 19, 10.293,
312.446

■ 100, 10.293,
312.446

■ 9, 10.293, 312.446

■ 39, 10.293,
312.446

■ 0, 10.293, 312.446

■ 49, 10.293,
312.446

■ 59, 10.293,
312.446

■ 69, 10.293,
312.446

■ 79, 10.293,
312.446

■ 89, 10.293,

312.446

99, 10.293,
312.446

19, 10.293,
312.446

19, 10.293,
312.446

17, 14.626,
312.856

21, 6.027, 312.048

23, 1.849, 311.654

15, 18.994,
313.269

25, 2.230, 131.365

13, 23.345,
313.668

27, 6.207, 131.030

11, 27.595,
314.027

29, 10.081,
130.735

9, 31.628, 314.311

31, 13.852,
130.470

■ 8, 35.302, 314.481

■ 33, 17.525,
130.232

■ 6, 38.793, 314.527

■ 36, 21.102,
130.018

■ 6, 40.636, 314.474

■ 38, 24.588,
129.828

Harmonies

Complementary

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



19, 10.293, 312.446



23, 10.048, 130.600

Rectangle

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



19, 10.293, 312.446



19, 10.293, 2.446



19, 10.293, 132.446



19, 10.293, 182.446

Sweetspot

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



19, 10.292, 312.445



30, 3.581, 311.769



20, 5.919, 265.383



14, 2.349, 311.767



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



19, 10.292, 312.445



24, 15.189, 312.685



20, 10.954, 327.466



9, 2.251, 311.807



13, 57.905, 314.410



37, 109.768, 313.520

Inverse Universe

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



19, 7.794, 349.665



25, 11.496, 350.229



22, 10.941, 144.904



9, 1.703, 348.247



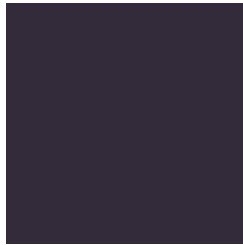
18, 40.036, 5.198



47, 75.448, 9.521

Previews

White Background



This preview shows how the CIE LCh color 19, 10.293, 312.446 looks on a white background.

Color Contrast Check

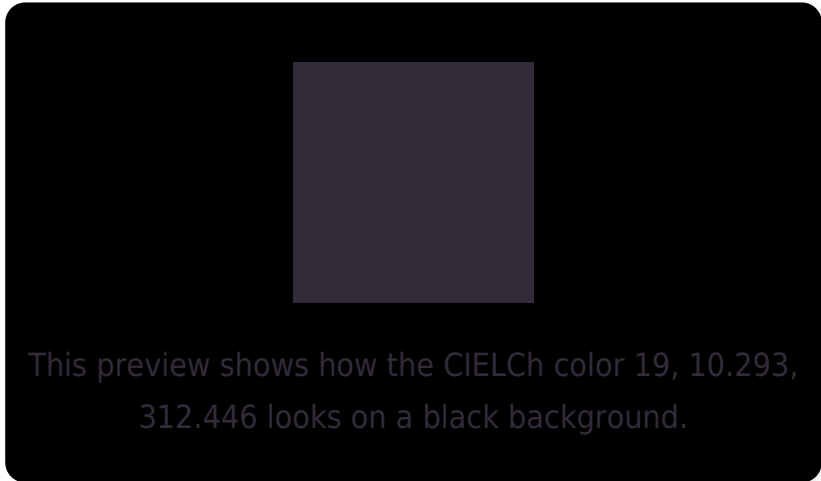
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



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, 10.293, 312.446

Background



This preview shows how black text looks on a background with the CIELCh color 19, 10.293, 312.446.



This preview shows how white text looks on a background with the CIELCh color 19, 10.293, 312.446.

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, 10.293, 312.446

Protanopia

19, 8.962, 284.243

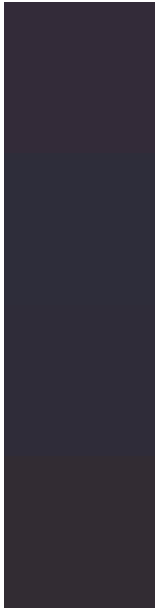
Deuteranopia

19, 8.244, 292.176



Tritanopia
19, 3.138, 339.214

Trichromacy



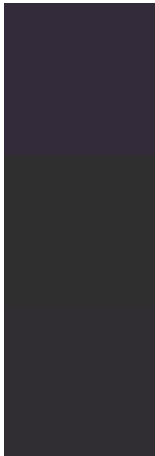
Original Color
19, 10.293, 312.446

Protanomaly
19, 8.945, 295.074

Deuteranomaly
19, 9.065, 300.588

Tritanomaly
19, 5.572, 321.009

Monochromacy



Original Color
19, 10.293, 312.446

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 3.707, 312.810

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 10.293, 312.446 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(51, 43, 57)` looks like.

```
.text, #text, p{  
    color:rgb(51, 43, 57)  
}
```

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(51, 43, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 43, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 10.293, 312.446 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(51, 43, 57) }
```

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

```
.border{ border-color:rgb(51, 43, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 43, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 43, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 43, 57);  
box-shadow:4px 4px 4px 4px rgb(51, 43, 57)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 10.293, 312.446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 43, 57) }
```

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

```
.background{ background-color: rgb(51, 43,  
57) }
```

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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