

Converting Colors

CIELCh(19, 10.338, 310.730)

Have a look what the booklet for
CIELCh(19, 10.338, 310.730)
contains.

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Color

CIELCh(19, 10.932, 311.235)

Conversions

Conversions Part 1

Format	Color
Hex	332B3A
RGB	51, 43, 58
RGB Percent	20%, 17%, 23%
CMY	0.7996, 0.8310, 0.7722
CMYK	0.12, 0.26, 0.00, 0.77
HSL	272°, 15%, 20%
HSV	272°, 26%, 23%
XYZ	3.0030, 2.7468, 4.3873
YIQ	47.1020, -0.0470, 6.3610

Conversions

Conversions Part 2

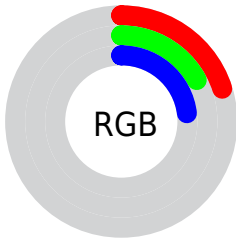
Format	Color
RYB	51, 43, 58
Decimal	3353402
CIELab	19.00, 7.21, -8.22
CIELCh	19, 10.932, 311.235
Yxy	2.7468, 0.2962, 0.2710
Android (android.graphics.Color)	4281543482 (0xFF332B3A)
YUV	47.1020, 5.3727, 3.4185
Hunter-Lab	16.5735, 3.3395, -4.0935

Details

The CIELCh color **19, 10.932, 311.235** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **23, 10.629, 129.230**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 11.097, 310.762**, and **0, 6.347, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **17, 15.312, 311.668**, and if you desaturate by 10%, it is **21, 6.625, 310.818**.

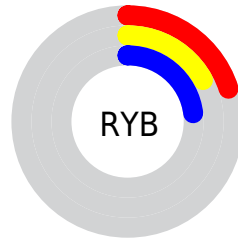
Distribution



Red (20%)

Green (17%)

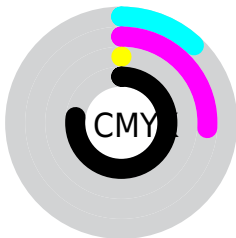
Blue (23%)



Red (20%)

Yellow (17%)

Blue (23%)

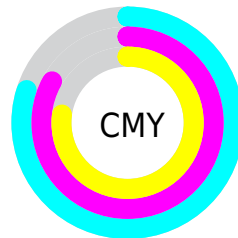


Cyan (12%)

Magenta (26%)

Yellow (0%)

Black (77%)



Cyan (80%)

Magenta (83%)

Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 10.932, 311.235 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, 10.932, 311.235 by changing the saturation by 10% instead.

■ 19, 10.932,
311.235

■ 19, 10.932,
311.235

■ 100, 10.932,
311.235

■ 9, 10.932, 311.235

■ 39, 10.932,
311.235

■ 0, 10.932, 311.235

■ 49, 10.932,
311.235


■ 59, 10.932,
311.235


■ 69, 10.932,
311.235


■ 79, 10.932,
311.235

■ 89, 10.932,

311.235


 99, 10.932,
311.235

 19, 10.932,
311.235


 19, 10.932,
311.235

 17, 15.312,
311.668


 21, 6.625, 310.818

 15, 19.735,
312.108

 23, 2.412, 310.416

 13, 24.146,
312.537


 25, 1.699, 130.112

 11, 28.461,
312.927

 27, 5.704, 129.761

 9, 32.557, 313.240

 30, 9.602, 129.460

 32, 13.396,
129.190

■ 8, 36.288, 313.427

■ 34, 17.089,
128.949

■ 6, 39.779, 313.431

■ 36, 20.685,
128.734

■ 5, 41.175, 313.377

■ 38, 24.188,
128.543

Harmonies

Complementary

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



19, 10.932, 311.235



23, 10.629, 129.230

Rectangle

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



19, 10.932, 311.235



19, 10.932, 1.235



19, 10.932, 131.235



19, 10.932, 181.235

Sweetspot

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



19, 10.931, 311.234



30, 4.178, 310.520



20, 6.109, 262.243



14, 2.917, 310.547



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, 10.931, 311.234



24, 16.622, 311.523



20, 11.972, 326.567



9, 2.232, 310.515



12, 58.342, 313.463



36, 110.679, 312.556

Inverse Universe

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



20, 8.528, 347.519



25, 12.935, 348.149



23, 11.963, 143.883



9, 1.745, 346.028



18, 40.190, 1.790



47, 75.344, 5.777

Previews

White Background



This preview shows how the CIE LCh color 19, 10.932, 311.235 looks on a white background.

Color Contrast Check

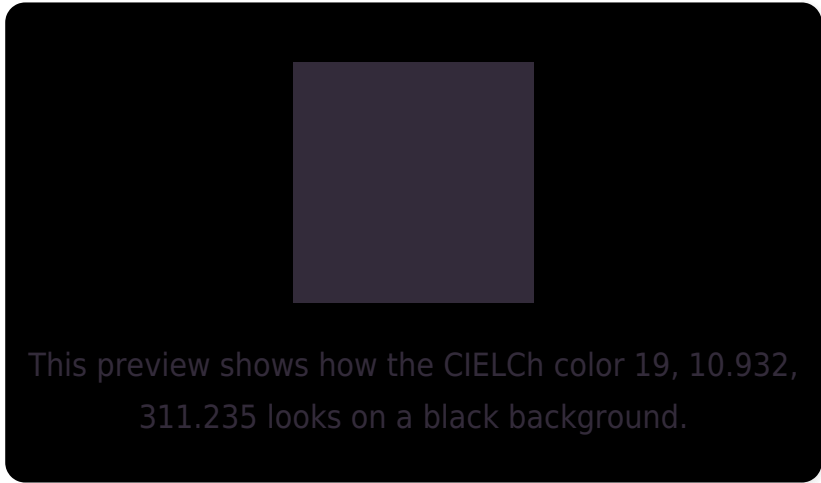
Large Text (above 18pt) WCAG AA ✓ Pass

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, 10.932, 311.235

Background



This preview shows how black text looks on a background with the CIELCh color 19, 10.932, 311.235.



This preview shows how white text looks on a background with the CIELCh color 19, 10.932, 311.235.

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, 10.932, 311.235

Protanopia

19, 9.687, 282.640

Deuteranopia

19, 8.929, 292.335



Tritanopia
19, 3.138, 339.214

Trichromacy



Original Color
19, 10.932, 311.235

Protanomaly
19, 9.613, 292.493

Deuteranomaly
19, 9.743, 300.106

Tritanomaly
19, 6.171, 317.835

Monochromacy



Original Color
19, 10.932, 311.235

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 3.559, 305.904

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 10.932, 311.235 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, 58)` looks like.

```
.text, #text, p{  
    color:rgb(51, 43, 58)  
}
```

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, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 43, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 10.932, 311.235 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, 58) }
```

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

```
.border{ border-color:rgb(51, 43, 58) }
```

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, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 43, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 43, 58);  
box-shadow:4px 4px 4px 4px rgb(51, 43, 58)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 10.932, 311.235 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, 58) }
```

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

```
.background{ background-color: rgb(51, 43,  
58) }
```

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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