

Converting Colors

CIELCh(16, 8.822, 309.889)

Have a look what the booklet for
CIELCh(16, 8.822, 309.889) contains.

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Color

CIELCh(16, 8.906, 310.017)

Conversions

Conversions Part 1

Format	Color
Hex	2B2531
RGB	43, 37, 49
RGB Percent	17%, 15%, 19%
CMY	0.8296, 0.8532, 0.8061
CMYK	0.12, 0.24, 0.00, 0.81
HSL	270°, 14%, 17%
HSV	270°, 24%, 19%
XYZ	2.2543, 2.0993, 3.2427
YIQ	40.1620, -0.2760, 5.0040

Conversions

Conversions Part 2

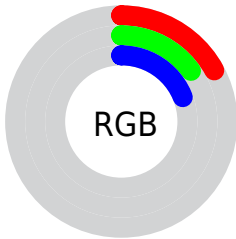
Format	Color
R_YB	43, 37, 49
Decimal	2827569
CIE Lab	16.00, 5.73, -6.82
CIE LCh	16, 8.906, 310.017
Yxy	2.0993, 0.2968, 0.2764
Android (android.graphics.Color)	4281017649 (0xFF2B2531)
YUV	40.1620, 4.3571, 2.4889
Hunter-Lab	14.4890, 2.4168, -3.1269

Details

The CIELCh color **16, 8.906, 310.017** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **20, 8.663, 128.158**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 8.494, 308.309**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **14, 12.703, 310.452**, and if you desaturate by 10%, it is **18, 5.181, 309.602**.

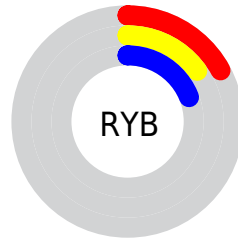
Distribution



Red (17%)

Green (15%)

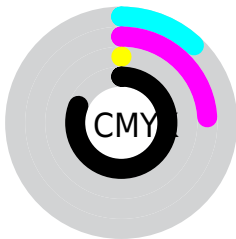
Blue (19%)



Red (17%)

Yellow (15%)

Blue (19%)

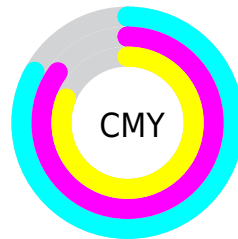


Cyan (12%)

Magenta (24%)

Yellow (0%)

Black (81%)



Cyan (83%)

Magenta (85%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 8.906, 310.017 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 16, 8.906, 310.017 by changing the saturation by 10% instead.

■ 16, 8.906, 310.017

■ 16, 8.906, 310.017

■ 100, 8.906,
310.017

■ 6, 8.906, 310.017

■ 0, 8.906, 310.017

■ 36, 8.906, 310.017

■ 46, 8.906, 310.017

■ 56, 8.906, 310.017

■ 66, 8.906, 310.017

■ 76, 8.906, 310.017

■ 86, 8.906, 310.017

■ 96, 8.906, 310.017

■ 16, 8.906, 310.017

■ 16, 8.906, 310.017

■ 14, 12.703,
310.452

■ 18, 5.181, 309.602

■ 12, 16.553,
310.902

■ 20, 1.542, 309.200

■ 11, 20.420,
311.354

■ 22, 2.008, 128.900

■ 9, 24.248, 311.785

■ 25, 8.834, 128.273

■ 7, 27.837, 312.049

■ 27, 12.113,
128.011

■ 6, 30.578, 311.664

■ 29, 15.307,
127.777

■ 5, 33.024, 311.045

■ 4, 34.337, 310.621

■ 31, 18.419,
127.569

■ 33, 21.453,
127.384

Harmonies

Complementary

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



16, 8.906, 310.017



20, 8.663, 128.158

Rectangle

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



16, 8.906, 310.017



16, 8.906, 0.017



16, 8.906, 130.017



16, 8.906, 180.017

Sweetspot

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



16, 8.905, 310.016



25, 3.114, 309.326



17, 4.868, 258.331



12, 2.045, 309.320



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



16, 8.905, 310.016



20, 13.242, 310.285



17, 10.060, 325.536



8, 2.039, 309.358



11, 57.574, 312.729



34, 110.498, 311.782

Inverse Universe

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



16, 7.141, 345.421



21, 10.588, 345.947



19, 10.054, 143.150



8, 1.642, 344.163



17, 39.695, 358.718



47, 74.902, 2.515

Previews

White Background



This preview shows how the CIELCh color 16, 8.906, 310.017 looks on a white background.

Color Contrast Check

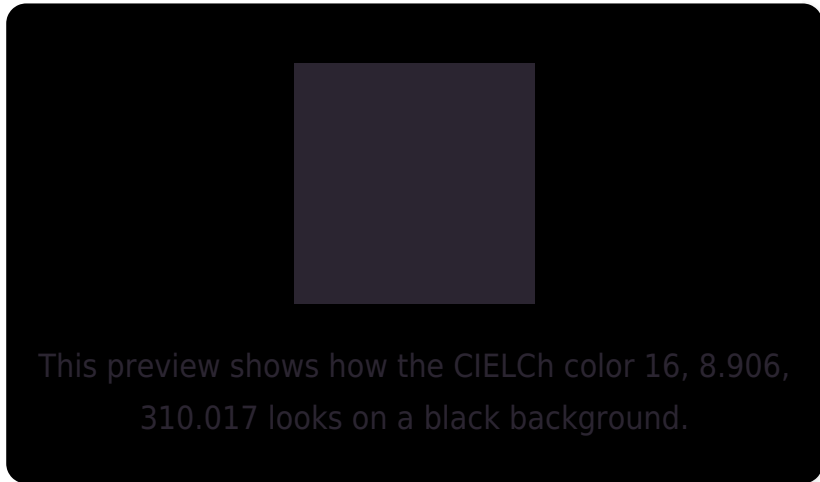
Large Text (above 18pt) WCAG AA ✓ Pass

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

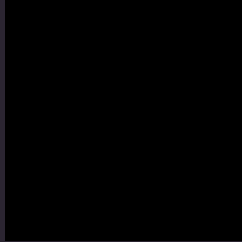
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

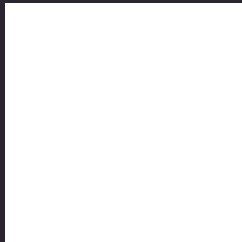
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 16, 8.906, 310.017

Background



This preview shows how black text looks on a background with the CIELCh color 16, 8.906, 310.017.

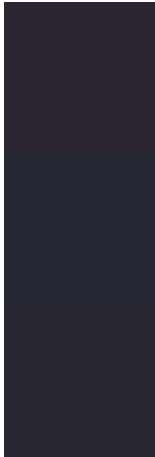


This preview shows how white text looks on a background with the CIELCh color 16, 8.906, 310.017.

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


16, 8.906, 310.017

Protanopia

16, 8.447, 286.567

Deuteranopia

16, 7.020, 292.037



Tritanopia
16, 2.559, 324.719

Trichromacy



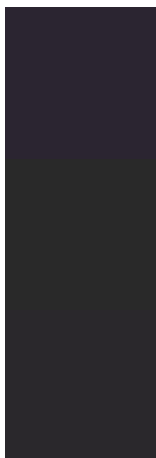
Original Color
16, 8.906, 310.017

Protanomaly
16, 8.468, 295.385

Deuteranomaly
16, 7.876, 302.008

Tritanomaly
16, 5.469, 316.705

Monochromacy



Original Color
16, 8.906, 310.017

Achromatopsia
17, 0.003, 296.813

Achromatomaly
16, 2.965, 309.380

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 8.906, 310.017 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(43, 37, 49)` looks like.

```
.text, #text, p{  
    color:rgb(43, 37, 49)  
}
```

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(43, 37, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 37, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 8.906, 310.017 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(43, 37, 49) }
```

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

```
.border{ border-color:rgb(43, 37, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 37, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 37, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 37, 49);  
box-shadow:4px 4px 4px 4px rgb(43, 37, 49)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 8.906, 310.017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 37, 49) }
```

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

```
.background{ background-color: rgb(43, 37,  
49) }
```

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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