

Converting Colors

CIELCh(19, 14.806, 333.554)

Have a look what the booklet for
CIELCh(19, 14.806, 333.554)
contains.

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Color

CIELCh(19, 15.221, 333.576)

Conversions

Conversions Part 1

Format	Color
Hex	3D2738
RGB	61, 39, 56
RGB Percent	24%, 15%, 22%
CMY	0.7601, 0.8464, 0.7797
CMYK	0.00, 0.36, 0.08, 0.76
HSL	314°, 22%, 20%
HSV	314°, 36%, 24%
XYZ	3.3843, 2.7468, 4.1152
YIQ	47.5160, 7.6550, 9.9510

Conversions

Conversions Part 2

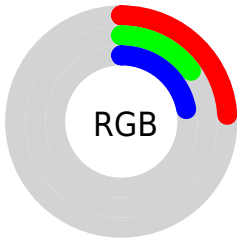
Format	Color
R _{YB}	61, 39, 56
Decimal	4007736
CIE Lab	19.00, 13.63, -6.77
CIE LCh	19, 15.221, 333.576
Yxy	2.7468, 0.3303, 0.2681
Android (android.graphics.Color)	4282197816 (0xFF3D2738)
YUV	47.5160, 4.1826, 11.8255
Hunter-Lab	16.5735, 7.4459, -3.1203




Details

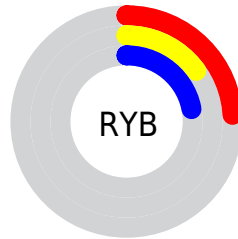
The CIELCh color **19, 15.221, 333.576** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **24, 15.133, 149.070**, and the grayscale version is **20, 0.004, 296.813**.




A 20% lighter version of the original color is **39, 15.541, 333.387**, and **1, 7.124, 336.123** is the 20% darker color. If you saturate the color by 10%, you get **17, 19.326, 334.209**, and if you desaturate by 10%, it is **21, 10.999, 332.966**.

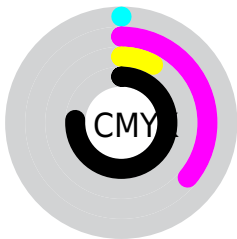
Distribution







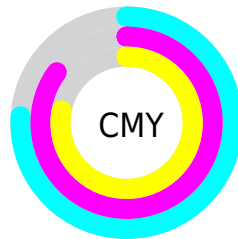
-  Red (24%)
-  Green (15%)
-  Blue (22%)






-  Red (24%)
-  Yellow (15%)
-  Blue (22%)



-  Cyan (0%)
-  Magenta (36%)
-  Yellow (8%)
-  Black (76%)



-  Cyan (76%)
-  Magenta (85%)
-  Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 15.221, 333.576 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, 15.221, 333.576 by changing the saturation by 10% instead.

■ 19, 15.221,
333.576

■ 19, 15.221,
333.576

■ 100, 15.221,
333.576

■ 9, 15.221, 333.576

■ 39, 15.221,
333.576

■ 0, 15.221, 333.576

■ 49, 15.221,
333.576


■ 59, 15.221,
333.576


■ 69, 15.221,
333.576


■ 79, 15.221,
333.576


■ 89, 15.221,


333.576


 99, 15.221,
333.576

 19, 15.221,
333.576


 19, 15.221,
333.576

 17, 19.326,
334.209

 21, 10.999,
332.966


 16, 23.214,
334.867

 23, 6.743, 332.374

 14, 26.754,
335.559

 25, 2.508, 331.777

 27, 1.667, 151.374

 13, 29.799,
336.293

 29, 5.760, 150.798

 12, 32.232,
337.084

 31, 9.756, 150.294

■ 11, 34.658,
337.826

■ 33, 13.647,
149.818

■ 11, 35.722,
338.097

■ 35, 17.434,
149.366

■ 37, 21.116,
148.937

Harmonies

Complementary

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



19, 15.221, 333.576



24, 15.133, 149.070

Rectangle

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



19, 15.221, 333.576



19, 15.221, 23.576



19, 15.221, 153.576



19, 15.221, 203.576

Sweetspot

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



19, 15.220, 333.576



31, 5.735, 332.110



17, 15.491, 301.161



15, 3.889, 332.134



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



19, 15.220, 333.576



24, 22.403, 334.139



19, 11.458, 0.634



10, 2.333, 331.929



20, 47.360, 338.958



50, 87.141, 340.047

Inverse Universe

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



19, 15.220, 333.576



24, 22.403, 334.139



24, 10.384, 174.046



10, 2.333, 331.929



20, 47.360, 338.958



50, 87.141, 340.047

Previews

White Background



This preview shows how the CIELCh color 19, 15.221, 333.576 looks on a white background.

Color Contrast Check

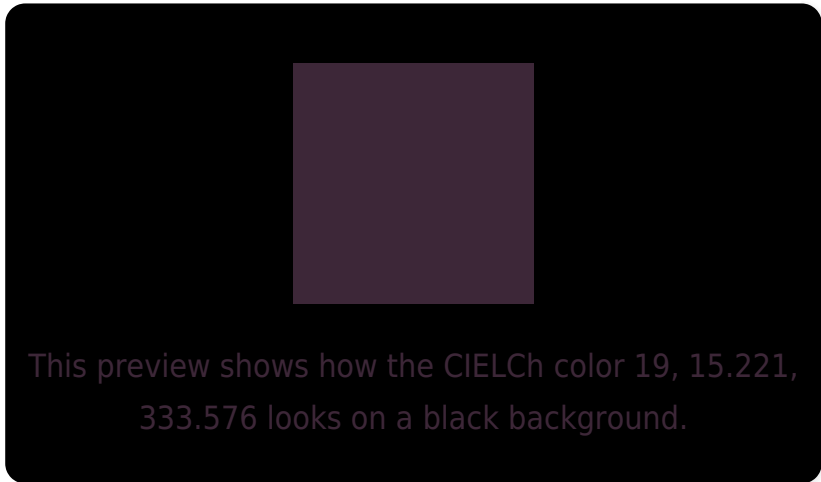
Large Text (above 18pt) WCAG AA ✓ Pass

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

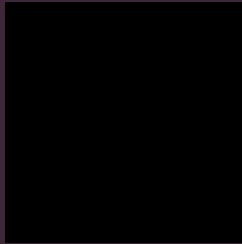
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 15.221, 333.576

Background



This preview shows how black text looks on a background with the CIELCh color 19, 15.221, 333.576.



This preview shows how white text looks on a background with the CIELCh color 19, 15.221, 333.576.

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, 15.221, 333.576

Protanopia

19, 10.358, 283.518

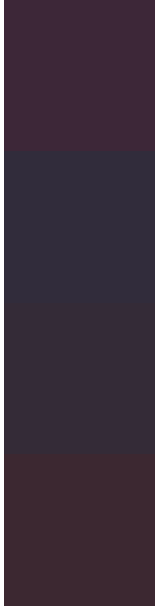
Deuteranopia

19, 6.940, 299.144



Tritanopia
19, 9.646, 5.428

Trichromacy



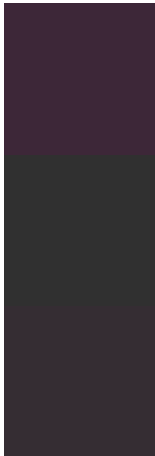
Original Color
19, 15.221, 333.576

Protanomaly
19, 10.563, 304.377

Deuteranomaly
19, 9.218, 318.085

Tritanomaly
19, 11.255, 349.246

Monochromacy



Original Color
19, 15.221, 333.576

Achromatopsia
20, 0.004, 296.813

Achromatomaly
20, 5.554, 333.149

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 15.221, 333.576 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(61, 39, 56)` looks like.

```
.text, #text, p{  
    color:rgb(61, 39, 56)  
}
```

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(61, 39, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 39, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 15.221, 333.576 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(61, 39, 56) }
```

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

```
.border{ border-color:rgb(61, 39, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 39, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 39, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 39, 56);  
box-shadow:4px 4px 4px 4px rgb(61, 39, 56)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 15.221, 333.576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 39, 56) }
```

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

```
.background{ background-color: rgb(61, 39,  
56) }
```

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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