

Converting Colors

CIELCh(19, 15.089, 344.223)

Have a look what the booklet for
CIELCh(19, 15.089, 344.223)
contains.

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Color

CIELCh(19, 15.268, 344.900)

Conversions

Conversions Part 1

Format	Color
Hex	402634
RGB	64, 38, 52
RGB Percent	25%, 15%, 20%
CMY	0.7481, 0.8502, 0.7952
CMYK	0.00, 0.41, 0.19, 0.75
HSL	328°, 25%, 20%
HSV	328°, 41%, 25%
XYZ	3.4533, 2.7468, 3.6220
YIQ	47.3700, 11.0020, 9.8660

Conversions

Conversions Part 2

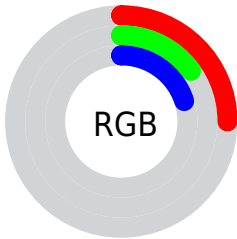
Format	Color
RYB	64, 38, 52
Decimal	4204084
CIELab	19.00, 14.74, -3.98
CIELCh	19, 15.268, 344.900
Yxy	2.7468, 0.3516, 0.2797
Android (android.graphics.Color)	4282394164 (0xFF402634)
YUV	47.3700, 2.2826, 14.5845
Hunter-Lab	16.5735, 8.1888, -1.3560

Details

The CIELCh color **19, 15.268, 344.900** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **25, 14.746, 158.318**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 15.237, 344.895**, and **1, 6.863, 358.764** is the 20% darker color. If you saturate the color by 10%, you get **17, 18.935, 345.944**, and if you desaturate by 10%, it is **21, 11.488, 343.970**.

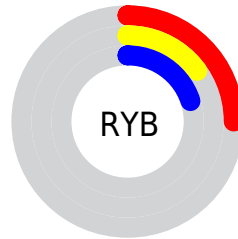
Distribution



 Red (25%)

 Green (15%)

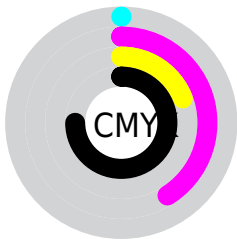
 Blue (20%)



 Red (25%)

 Yellow (15%)

 Blue (20%)

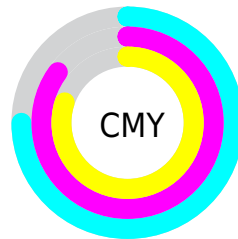


 Cyan (0%)


 Magenta (41%)

 Yellow (19%)

 Black (75%)



 Cyan (75%)

 Magenta (85%)

 Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 15.268, 344.900 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, 15.268, 344.900 by changing the saturation by 10% instead.

■ 19, 15.268,
344.900

■ 19, 15.268,
344.900

■ 100, 15.268,
344.900

■ 9, 15.268, 344.900

■ 39, 15.268,
344.900

■ 0, 15.268, 344.900

■ 49, 15.268,
344.900


■ 59, 15.268,
344.900


■ 69, 15.268,
344.900


■ 79, 15.268,
344.900


■ 89, 15.268,


344.900


 99, 15.268,
344.900

 19, 15.268,
344.900


 19, 15.268,
344.900

 17, 18.935,
345.944

 21, 11.488,
343.970


 16, 22.380,
347.136

 23, 7.680, 343.126


 14, 25.466,
348.523

 25, 3.901, 342.340

 27, 0.189, 340.755

 13, 28.041,
350.173

 29, 3.434, 161.081

 12, 30.162,
352.038

 31, 6.956, 160.449

■ 11, 32.431,
353.566

■ 34, 10.374,
159.875

■ 36, 13.686,
159.340

■ 38, 16.897,
158.841

Harmonies

Complementary

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



19, 15.268, 344.900



25, 14.746, 158.318

Rectangle

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



19, 15.268, 344.900



19, 15.268, 34.900



19, 15.268, 164.900



19, 15.268, 214.900

Sweetspot

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



19, 15.267, 344.901



33, 5.590, 342.497



18, 18.703, 309.194



16, 3.742, 342.524



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



19, 15.267, 344.901



24, 22.987, 346.019



19, 13.206, 18.863



12, 2.117, 342.188



19, 42.439, 355.885



49, 77.469, 358.951

Inverse Universe

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



19, 15.267, 344.901



24, 22.987, 346.019



25, 10.562, 192.963



12, 2.117, 342.188



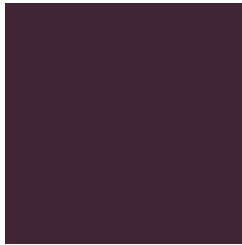
19, 42.439, 355.885



49, 77.469, 358.951

Previews

White Background



This preview shows how the CIE LCh color 19, 15.268, 344.900 looks on a white background.

Color Contrast Check

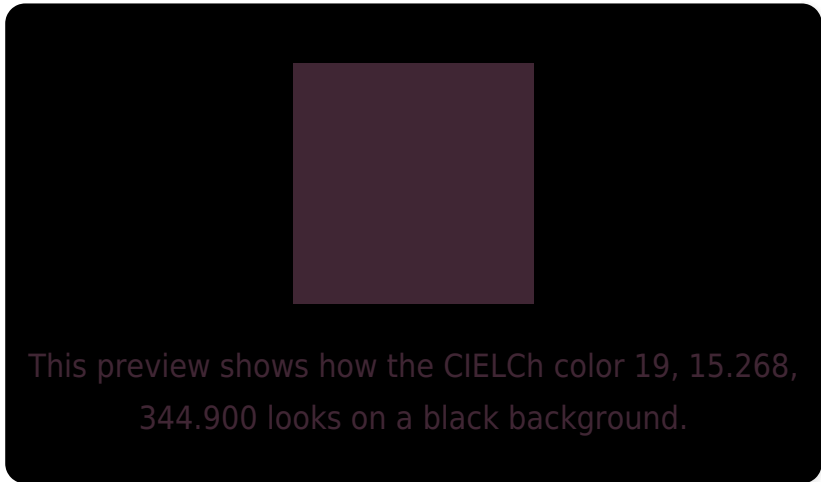
Large Text (above 18pt) WCAG AA ✓ Pass

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

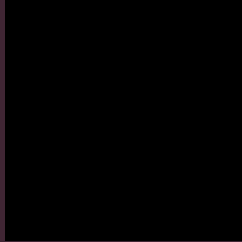
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 15.268, 344.900

Background



This preview shows how black text looks on a background with the CIELCh color 19, 15.268, 344.900.



This preview shows how white text looks on a background with the CIELCh color 19, 15.268, 344.900.

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, 15.268, 344.900

Protanopia

19, 7.566, 285.489

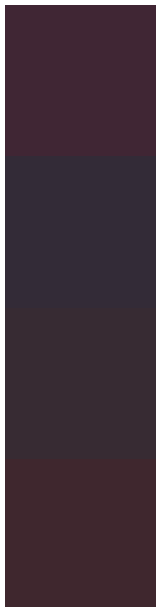
Deuteranopia

19, 4.530, 315.063



Tritanopia
19, 11.562, 12.161

Trichromacy



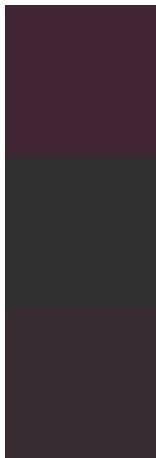
Original Color
19, 15.268, 344.900

Protanomaly
19, 9.034, 315.447

Deuteranomaly
19, 7.835, 336.995

Tritanomaly
19, 12.502, 0.334

Monochromacy



Original Color
19, 15.268, 344.900

Achromatopsia
20, 0.004, 296.813

Achromatomaly
19, 6.241, 339.823

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 15.268, 344.900 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(64, 38, 52)` looks like.

```
.text, #text, p{  
    color:rgb(64, 38, 52)  
}
```

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(64, 38, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 38, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 15.268, 344.900 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(64, 38, 52) }
```

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

```
.border{ border-color:rgb(64, 38, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 38, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 38, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 38, 52);  
box-shadow:4px 4px 4px 4px rgb(64, 38, 52)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 15.268, 344.900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 38, 52) }
```

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

```
.background{ background-color: rgb(64, 38,  
52) }
```

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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