

Converting Colors

CIELCh(19, 16.747, 340.249)

Have a look what the booklet for
CIELCh(19, 16.747, 340.249)
contains.

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Color

CIELCh(19, 16.745, 340.249)

Conversions

Conversions Part 1

Format	Color
Hex	412637
RGB	65, 38, 55
RGB Percent	25%, 15%, 22%
CMY	0.7466, 0.8524, 0.7857
CMYK	0.00, 0.42, 0.15, 0.75
HSL	322°, 26%, 20%
HSV	322°, 42%, 25%
XYZ	3.5174, 2.7468, 3.9136
YIQ	48.0110, 10.6350, 11.0110

Conversions

Conversions Part 2

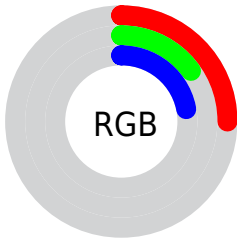
Format	Color
R_{YB}	65, 38, 55
Decimal	4269623
CIE _{Lab}	19.00, 15.76, -5.66
CIE _{LCh}	19, 16.745, 340.249
Yxy	2.7468, 0.3456, 0.2699
Android (android.graphics.Color)	4282459703 (0xFF412637)
YUV	48.0110, 3.4456, 14.8994
Hunter-Lab	16.5735, 8.8797, -2.3988

Details

The CIELCh color **19, 16.745, 340.249** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **25, 16.416, 154.007**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 17.290, 340.079**, and **2, 8.623, 348.370** is the 20% darker color. If you saturate the color by 10%, you get **17, 20.577, 341.134**, and if you desaturate by 10%, it is **21, 12.758, 339.442**.

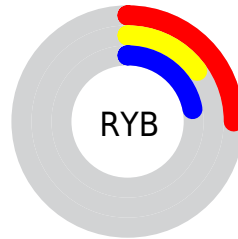
Distribution



Red (25%)

Green (15%)

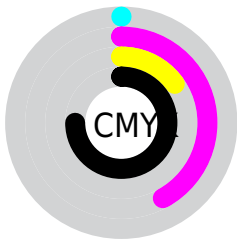
Blue (22%)



Red (25%)

Yellow (15%)

Blue (22%)

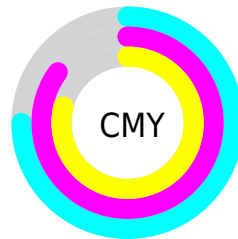


Cyan (0%)

Magenta (42%)

Yellow (15%)

Black (75%)



Cyan (75%)


Magenta (85%)


Yellow (79%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 16.745, 340.249 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, 16.745, 340.249 by changing the saturation by 10% instead.

 19, 16.745,
340.249

 19, 16.745,
340.249


 100, 16.745,
340.249


 9, 16.745, 340.249


 39, 16.745,
340.249

 0, 16.745, 340.249

 49, 16.745,
340.249


 59, 16.745,
340.249


 69, 16.745,
340.249


 79, 16.745,
340.249


 89, 16.745,


340.249


 99, 16.745,
340.249


 19, 16.745,
340.249


 19, 16.745,
340.249

 17, 20.577,
341.134

 21, 12.758,
339.442


 16, 24.137,
342.117

 23, 8.713, 338.694


 14, 27.276,
343.232

 25, 4.675, 337.988

 27, 0.689, 337.141

 13, 29.838,
344.524

 29, 3.218, 156.821

 12, 31.965,
345.926

 31, 7.028, 156.224

■ 11, 33.937,
346.939

■ 33, 10.734,
155.679

■ 36, 14.334,
155.168

■ 38, 17.829,
154.688

Harmonies

Complementary

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



19, 16.745, 340.249



25, 16.416, 154.007

Rectangle

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



19, 16.745, 340.249



19, 16.745, 30.249



19, 16.745, 160.249



19, 16.745, 210.249

Sweetspot

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



19, 16.744, 340.250



32, 6.458, 338.115



17, 19.219, 306.552



15, 4.563, 338.195



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, 16.744, 340.250



24, 24.760, 341.173



19, 13.660, 12.682



12, 2.257, 337.764



20, 44.158, 348.563



49, 80.295, 350.760

Inverse Universe

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



19, 16.744, 340.250



24, 24.760, 341.173



25, 11.312, 185.359



12, 2.257, 337.764



20, 44.158, 348.563



49, 80.295, 350.760

Previews

White Background



This preview shows how the CIE LCh color 19, 16.745, 340.249 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

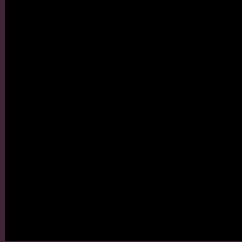
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 16.745, 340.249

Background



This preview shows how black text looks on a background with the CIELCh color 19, 16.745, 340.249.



This preview shows how white text looks on a background with the CIELCh color 19, 16.745, 340.249.

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, 16.745, 340.249

Protanopia

19, 9.637, 285.033

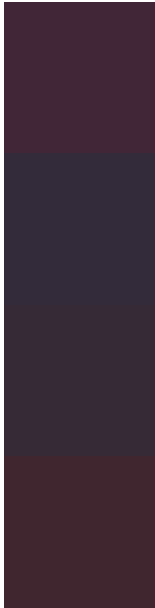
Deuteranopia

19, 5.677, 305.264



Tritanopia
19, 11.562, 12.161

Trichromacy



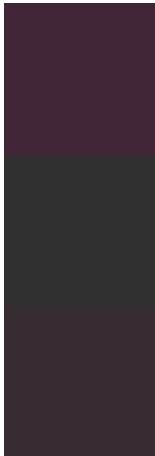
Original Color
19, 16.745, 340.249

Protanomaly
19, 10.932, 311.235

Deuteranomaly
19, 9.905, 325.460

Tritanomaly
19, 13.136, 358.469

Monochromacy



Original Color
19, 16.745, 340.249

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, 16.745, 340.249 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(65, 38, 55)` looks like.

```
.text, #text, p{  
    color:rgb(65, 38, 55)  
}
```

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(65, 38, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 38, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 16.745, 340.249 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(65, 38, 55) }
```

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

```
.border{ border-color:rgb(65, 38, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 38, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 38, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 38, 55);  
box-shadow:4px 4px 4px 4px rgb(65, 38, 55)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 16.745, 340.249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 38, 55) }
```

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

```
.background{ background-color: rgb(65, 38,  
55) }
```

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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