

Converting Colors

CIELCh(19, 15.819, 5.678)

Have a look what the booklet for
CIELCh(19, 15.819, 5.678) contains.

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Color

CIELCh(19, 15.818, 6.319)

Conversions

Conversions Part 1

Format	Color
Hex	44252C
RGB	68, 37, 44
RGB Percent	27%, 15%, 17%
CMY	0.7328, 0.8544, 0.8270
CMYK	0.00, 0.46, 0.35, 0.73
HSL	346°, 29%, 21%
HSV	346°, 46%, 27%
XYZ	3.5150, 2.7468, 2.7394
YIQ	47.0670, 16.2290, 8.7490

Conversions

Conversions Part 2

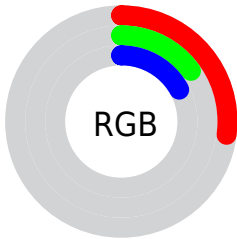
Format	Color
RYB	68, 37, 44
Decimal	4465964
CIELab	19.00, 15.72, 1.74
CIElCh	19, 15.818, 6.319
Yxy	2.7468, 0.3905, 0.3052
Android (android.graphics.Color)	4282656044 (0xFF44252C)
YUV	47.0670, -1.5120, 18.3582
Hunter-Lab	16.5735, 8.8537, 1.8017

Details

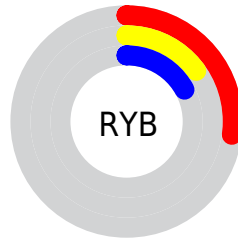
The CIELCh color **19, 15.818, 6.319** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **26, 13.504, 177.336**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 15.850, 6.375**, and **2, 7.843, 16.458** is the 20% darker color. If you saturate the color by 10%, you get **17, 19.453, 8.059**, and if you desaturate by 10%, it is **21, 12.172, 4.880**.

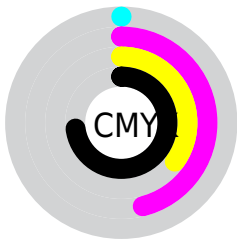
Distribution



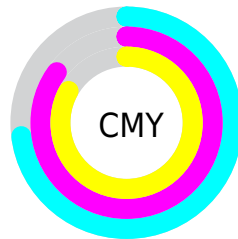
- Red (27%)
- Green (15%)
- Blue (17%)



- Red (27%)
- Yellow (15%)
- Blue (17%)



- Cyan (0%)
- Magenta (46%)
- Yellow (35%)
- Black (73%)



- Cyan (73%)
- Magenta (85%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 15.818, 6.319 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, 15.818, 6.319 by changing the saturation by 10% instead.

 19, 15.818, 6.319  19, 15.818, 6.319

 100, 15.818, 6.319  9, 15.818, 6.319

 39, 15.818, 6.319  0, 15.818, 6.319

 49, 15.818, 6.319

 59, 15.818, 6.319

 69, 15.818, 6.319

 79, 15.818, 6.319

 89, 15.818, 6.319

 99, 15.818, 6.319

 19, 15.818, 6.319  19, 15.818, 6.319

17, 19.453, 8.059	21, 12.172, 4.880
15, 22.983, 10.181	23, 8.590, 3.663
14, 26.290, 12.794	25, 5.118, 2.612
13, 29.265, 16.012	28, 1.781, 1.632
12, 32.147, 18.361	30, 1.411, 181.143
11, 33.485, 18.756	32, 4.454, 180.332
	35, 7.355, 179.686
	37, 10.122, 179.113
	39, 12.764, 178.594

Harmonies

Complementary

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



19, 15.818, 6.319



26, 13.504, 177.336

Rectangle

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



19, 15.818, 6.319



19, 15.818, 56.319



19, 15.818, 186.319



19, 15.818, 236.319

Sweetspot

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



19, 15.817, 6.322



34, 5.767, 2.521



19, 23.245, 319.534



16, 4.025, 2.630



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



19, 15.817, 6.322



23, 24.136, 8.409



21, 13.257, 45.943



12, 1.766, 1.930



18, 43.783, 23.576



47, 83.513, 28.236

Inverse Universe

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



19, 15.817, 6.322



23, 24.136, 8.409



24, 10.118, 231.299



12, 1.766, 1.930



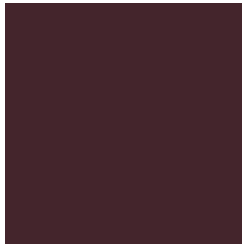
18, 43.783, 23.576



47, 83.513, 28.236

Previews

White Background



This preview shows how the CIE LCh color 19, 15.818, 6.319 looks on a white background.

Color Contrast Check

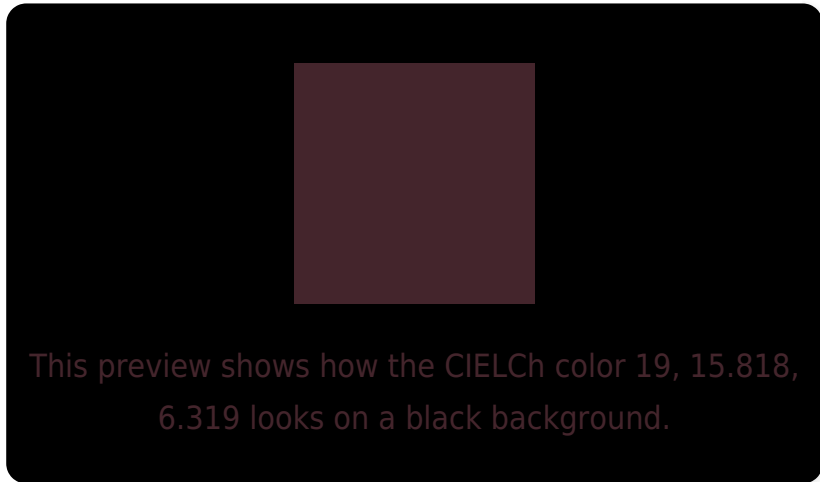
Large Text (above 18pt) WCAG AA ✓ Pass

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

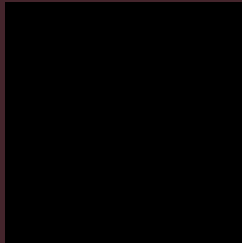
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 15.818, 6.319

Background



This preview shows how black text looks on a background with the CIELCh color 19, 15.818, 6.319.

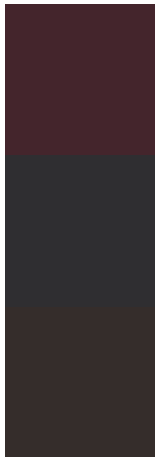


This preview shows how white text looks on a background with the CIELCh color 19, 15.818, 6.319.

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, 15.818, 6.319

Protanopia

19, 2.116, 303.314

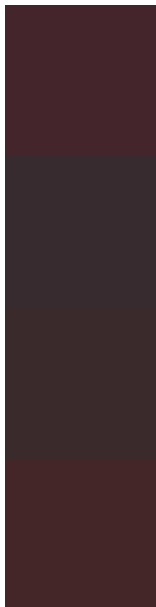
Deuteranopia

19, 4.162, 39.175



Tritanopia
19, 15.213, 18.167

Trichromacy



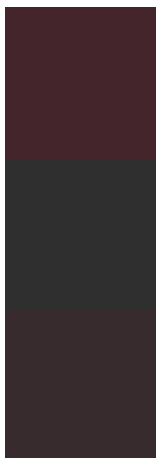
Original Color
19, 15.818, 6.319

Protanomaly
19, 6.363, 355.518

Deuteranomaly
19, 8.446, 16.754

Tritanomaly
19, 15.165, 15.636

Monochromacy



Original Color
19, 15.818, 6.319

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 6.137, 1.378

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 15.818, 6.319 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(68, 37, 44)` looks like.

```
.text, #text, p{  
    color:rgb(68, 37, 44)  
}
```

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(68, 37, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 37, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 15.818, 6.319 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(68, 37, 44) }
```

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

```
.border{ border-color:rgb(68, 37, 44) }
```

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

Here you see how a box with a 4 pixel rgb(68, 37, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 37, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 37, 44);  
box-shadow:4px 4px 4px 4px rgb(68, 37, 44)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 15.818, 6.319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 37, 44) }
```

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

```
.background{ background-color: rgb(68, 37,  
44) }
```

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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