

Converting Colors

CIELCh(19, 18.103, 346.915)

Have a look what the booklet for
CIELCh(19, 18.103, 346.915)
contains.

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Color

CIELCh(19, 18.147, 347.840)

Conversions

Conversions Part 1

Format	Color
Hex	442434
RGB	68, 36, 52
RGB Percent	27%, 14%, 20%
CMY	0.7330, 0.8585, 0.7958
CMYK	0.00, 0.47, 0.24, 0.73
HSL	330°, 31%, 20%
HSV	330°, 47%, 27%
XYZ	3.6443, 2.7468, 3.5959
YIQ	47.3920, 13.9360, 11.7600

Conversions

Conversions Part 2

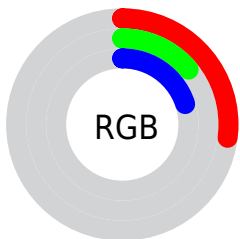
Format	Color
RYB	68, 36, 52
Decimal	4465716
CIELab	19.00, 17.74, -3.82
CIELCh	19, 18.147, 347.840
Yxy	2.7468, 0.3649, 0.2750
Android (android.graphics.Color)	4282655796 (0xFF442434)
YUV	47.3920, 2.2717, 18.0732
Hunter-Lab	16.5735, 10.2463, -1.2626

Details

The CIELCh color **19, 18.147, 347.840** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **26, 17.284, 159.507**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 18.309, 347.975**, and **2, 9.235, 4.218** is the 20% darker color. If you saturate the color by 10%, you get **17, 21.796, 349.088**, and if you desaturate by 10%, it is **21, 14.314, 346.755**.

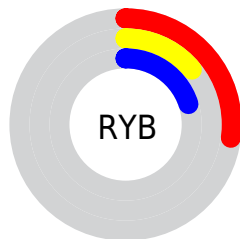
Distribution



Red (27%)

Green (14%)

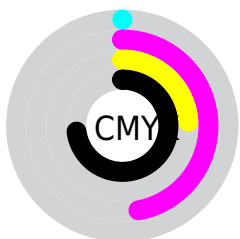
Blue (20%)



Red (27%)

Yellow (14%)

Blue (20%)

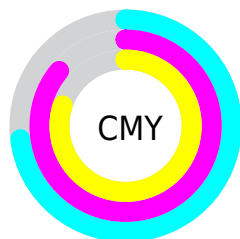


Cyan (0%)

Magenta (47%)

Yellow (24%)

Black (73%)



Cyan (73%)

Magenta (86%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 18.147, 347.840 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, 18.147, 347.840 by changing the saturation by 10% instead.

■ 19, 18.147,
347.840

■ 19, 18.147,
347.840

■ 100, 18.147,
347.840

■ 9, 18.147, 347.840

■ 39, 18.147,
347.840

■ 0, 18.147, 347.840

■ 49, 18.147,
347.840


■ 59, 18.147,
347.840


■ 69, 18.147,
347.840


■ 79, 18.147,
347.840

■ 89, 18.147,


347.840


 99, 18.147,
347.840


 19, 18.147,
347.840


 19, 18.147,
347.840

 17, 21.796,
349.088


 21, 14.314,
346.755

 16, 25.129,
350.549


 23, 10.408,
345.791


 14, 27.987,
352.295

 25, 6.503, 344.919

 13, 30.236,
354.410

 27, 2.653, 344.095

 30, 1.113, 163.619

 12, 32.480,
356.445

 32, 4.775, 162.828

■ 12, 33.224,
356.985

■ 34, 8.326, 162.199

■ 36, 11.764,
161.622

■ 39, 15.090,
161.087

Harmonies

Complementary

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



19, 18.147, 347.840



26, 17.284, 159.507

Rectangle

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



19, 18.147, 347.840



19, 18.147, 37.840



19, 18.147, 167.840



19, 18.147, 217.840

Sweetspot

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



19, 18.146, 347.841



34, 6.687, 344.719



18, 23.060, 311.157



16, 4.661, 344.811



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, 18.146, 347.841



24, 26.755, 349.272



18, 16.574, 23.563



12, 2.062, 344.218



19, 41.976, 359.181



48, 76.871, 2.609

Inverse Universe

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



19, 18.146, 347.841



24, 26.755, 349.272



27, 12.327, 197.458



12, 2.062, 344.218



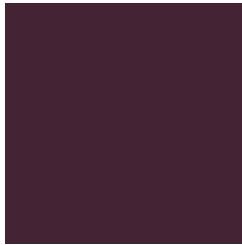
19, 41.976, 359.181



48, 76.871, 2.609

Previews

White Background



This preview shows how the CIELCh color 19, 18.147, 347.840 looks on a white background.

Color Contrast Check

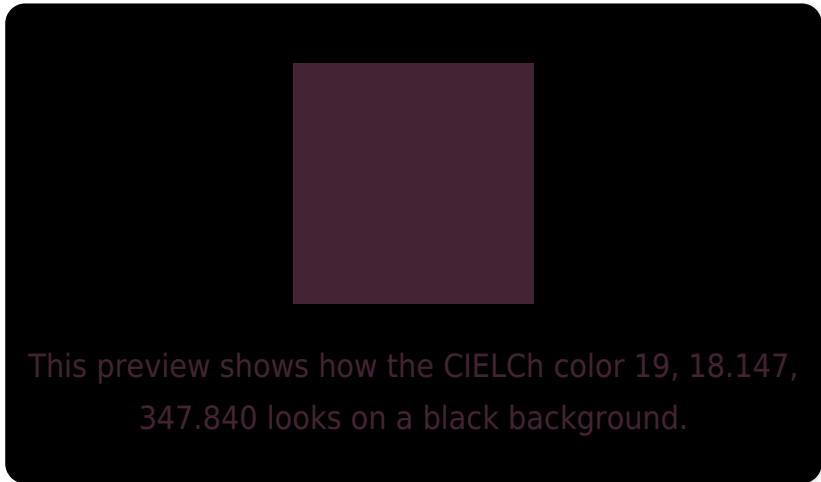
Large Text (above 18pt) WCAG AA ✓ Pass

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

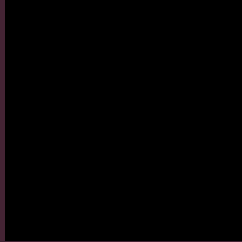
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 18.147, 347.840

Background



This preview shows how black text looks on a background with the CIELCh color 19, 18.147, 347.840.



This preview shows how white text looks on a background with the CIELCh color 19, 18.147, 347.840.

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, 18.147, 347.840

Protanopia

19, 8.923, 286.889

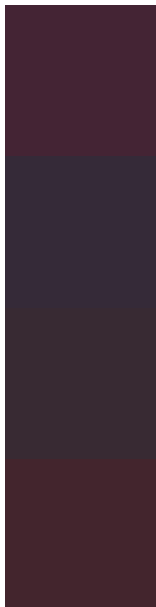
Deuteranopia

19, 4.530, 315.063



Tritanopia
19, 14.662, 15.231

Trichromacy



Original Color
19, 18.147, 347.840

Protanomaly
19, 10.841, 319.314

Deuteranomaly
19, 8.978, 338.284

Tritanomaly
19, 15.464, 3.146

Monochromacy



Original Color
19, 18.147, 347.840

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 7.002, 345.250

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 18.147, 347.840 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, 36, 52)` looks like.

```
.text, #text, p{  
    color:rgb(68, 36, 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(68, 36, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 36, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 18.147, 347.840 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, 36, 52) }
```

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

```
.border{ border-color:rgb(68, 36, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 36, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 36, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 36, 52);  
box-shadow:4px 4px 4px 4px rgb(68, 36, 52)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 18.147, 347.840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 36, 52) }
```

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

```
.background{ background-color: rgb(68, 36,  
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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