

Converting Colors

CIELCh(19, 12.590, 313.161)

Have a look what the booklet for
CIELCh(19, 12.590, 313.161)
contains.

CIELCh(19, 13.157, 312.157)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(19, 13.157, 312.157)

Conversions

Conversions Part 1

Format	Color
Hex	342A3C
RGB	52, 42, 60
RGB Percent	20%, 16%, 24%
CMY	0.7948, 0.8341, 0.7634
CMYK	0.13, 0.30, 0.00, 0.76
HSL	273°, 18%, 20%
HSV	273°, 30%, 24%
XYZ	3.0966, 2.7468, 4.6880
YIQ	47.0420, 0.1820, 7.7180

Conversions

Conversions Part 2

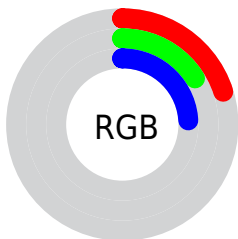
Format	Color
R_{YB}	52, 42, 60
Decimal	3418684
CIE Lab	19.00, 8.83, -9.75
CIE LCh	19, 13.157, 312.157
Yxy	2.7468, 0.2940, 0.2608
Android (android.graphics.Color)	4281608764 (0xFF342A3C)
YUV	47.0420, 6.3883, 4.3482
Hunter-Lab	16.5735, 4.3471, -5.1695




Details

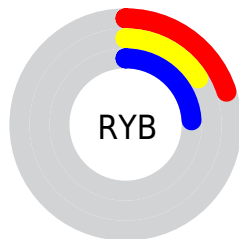
The CIELCh color **19, 13.157, 312.157** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **24, 12.754, 129.825**, and the grayscale version is **20, 0.004, 296.813**.




A 20% lighter version of the original color is **39, 13.245, 313.234**, and **0, 7.456, 292.308** is the 20% darker color. If you saturate the color by 10%, you get **17, 17.709, 312.584**, and if you desaturate by 10%, it is **21, 8.662, 311.740**.

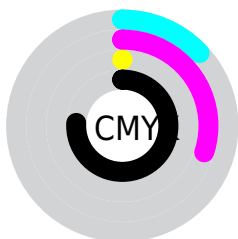
Distribution







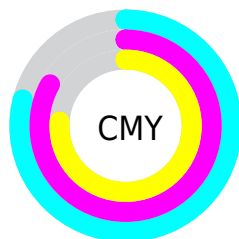
-  Red (20%)
-  Green (16%)
-  Blue (24%)






-  Red (20%)
-  Yellow (16%)
-  Blue (24%)



-  Cyan (13%)
-  Magenta (30%)
-  Yellow (0%)
-  Black (76%)



-  Cyan (79%)
-  Magenta (83%)
-  Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 13.157, 312.157 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, 13.157, 312.157 by changing the saturation by 10% instead.

■ 19, 13.157,
312.157

■ 19, 13.157,
312.157

■ 100, 13.157,
312.157

■ 9, 13.157, 312.157

■ 39, 13.157,
312.157

■ 0, 13.157, 312.157

■ 49, 13.157,
312.157


■ 59, 13.157,
312.157


■ 69, 13.157,
312.157


■ 79, 13.157,
312.157


■ 89, 13.157,

312.157


 99, 13.157,
312.157

 19, 13.157,
312.157


 19, 13.157,
312.157

 17, 17.709,
312.584


 21, 8.662, 311.740

 15, 22.276,
313.007

 23, 4.253, 311.339


 13, 26.786,
313.403

 25, 0.055, 132.055

 11, 31.130,
313.742

 30, 8.345, 130.344

 9, 35.156, 313.976

 32, 12.327,
130.061

■ 8, 38.916, 314.153

■ 34, 16.202,
129.808

■ 6, 42.655, 314.251

■ 36, 19.974,
129.581

■ 6, 42.706, 314.251

■ 38, 23.648,
129.379

Harmonies

Complementary

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



19, 13.157, 312.157



24, 12.754, 129.825

Rectangle

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



19, 13.157, 312.157



19, 13.157, 2.157



19, 13.157, 132.157



19, 13.157, 182.157

Sweetspot

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



19, 13.156, 312.157



31, 4.860, 311.322



21, 7.413, 264.610



15, 3.411, 311.348



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, 13.156, 312.157



24, 20.003, 312.490



20, 14.125, 327.251



10, 2.419, 311.284



13, 59.220, 313.971



37, 111.112, 313.104

Inverse Universe

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



20, 10.076, 349.246



25, 15.278, 350.053



23, 14.117, 144.042



10, 1.855, 347.334



18, 40.843, 3.958



47, 76.018, 8.005

Previews

White Background



This preview shows how the CIE LCh color 19, 13.157, 312.157 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, 13.157, 312.157

Background



This preview shows how black text looks on a background with the CIELCh color 19, 13.157, 312.157.

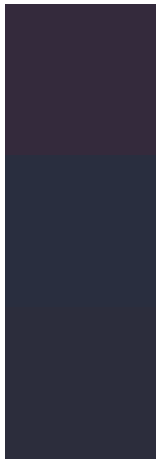


This preview shows how white text looks on a background with the CIELCh color 19, 13.157, 312.157.

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, 13.157, 312.157

Protanopia

19, 11.750, 283.126

Deuteranopia

19, 10.298, 290.335



Tritanopia
19, 3.138, 339.214

Trichromacy



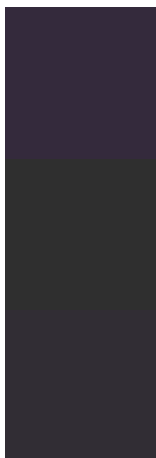
Original Color
19, 13.157, 312.157

Protanomaly
19, 11.662, 292.959

Deuteranomaly
19, 11.100, 299.375

Tritanomaly
19, 6.387, 321.602

Monochromacy



Original Color
19, 13.157, 312.157

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 5.160, 311.996

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 13.157, 312.157 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(52, 42, 60)` looks like.

```
.text, #text, p{  
    color:rgb(52, 42, 60)  
}
```

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(52, 42, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 42, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 13.157, 312.157 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(52, 42, 60) }
```

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

```
.border{ border-color:rgb(52, 42, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 42, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 42, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 42, 60);  
box-shadow:4px 4px 4px 4px rgb(52, 42, 60)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 13.157, 312.157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 42, 60) }
```

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

```
.background{ background-color: rgb(52, 42,  
60) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor