

Converting Colors

CIELCh(19, 37.020, 334.526)

Have a look what the booklet for
CIELCh(19, 37.020, 334.526)
contains.

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Color

CIELCh(19, 37.040, 334.499)

Conversions

Conversions Part 1

Format	Color
Hex	511646
RGB	81, 22, 70
RGB Percent	32%, 9%, 27%
CMY	0.6831, 0.9145, 0.7262
CMYK	0.00, 0.73, 0.14, 0.68
HSL	311°, 58%, 20%
HSV	311°, 73%, 32%
XYZ	4.7595, 2.7468, 6.0436
YIQ	45.1130, 19.7560, 27.4360

Conversions

Conversions Part 2

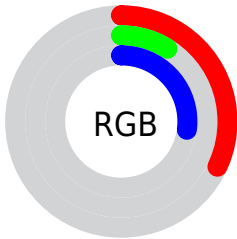
Format	Color
R_{YB}	81, 22, 70
Decimal	5314118
CIE _{Lab}	19.00, 33.43, -15.95
CIE _{LCh}	19, 37.040, 334.499
Yxy	2.7468, 0.3513, 0.2027
Android (android.graphics.Color)	4283504198 (0xFF511646)
YUV	45.1130, 12.2693, 31.4729
Hunter-Lab	16.5735, 22.2567, -10.0190

Details

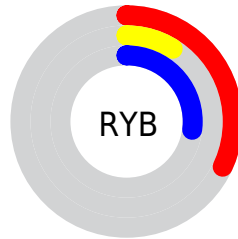
The CIELCh color **19, 37.040, 334.499** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **30, 37.913, 143.355**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 36.827, 333.985**, and **4, 22.236, 338.930** is the 20% darker color. If you saturate the color by 10%, you get **18, 40.098, 335.201**, and if you desaturate by 10%, it is **21, 33.115, 333.833**.

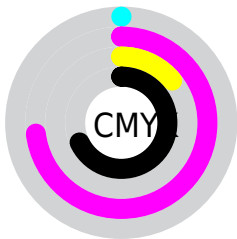
Distribution



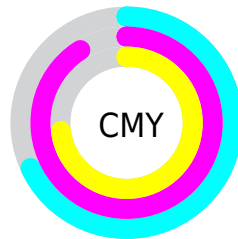
- Red (32%)
- Green (9%)
- Blue (27%)



- Red (32%)
- Yellow (9%)
- Blue (27%)



- Cyan (0%)
- Magenta (73%)
- Yellow (14%)
- Black (68%)



- Cyan (68%)
- Magenta (91%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 37.040, 334.499 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, 37.040, 334.499 by changing the saturation by 10% instead.

■ 19, 37.040,
334.499

■ 19, 37.040,
334.499

■ 100, 37.040,
334.499

■ 9, 37.040, 334.499

■ 39, 37.040,
334.499

■ 0, 37.040, 334.499

■ 49, 37.040,
334.499

■ 59, 37.040,
334.499

■ 69, 37.040,
334.499

■ 79, 37.040,
334.499


■ 89, 37.040,


334.499


 99, 37.040,
334.499

 19, 37.040,
334.499


 19, 37.040,
334.499


 18, 40.098,
335.201


 21, 33.115,
333.833


 17, 42.331,
335.937

 22, 28.524,
333.189

 16, 43.929,
336.425

 24, 23.469,
332.561

 26, 18.128,
331.948

 29, 12.644,
331.347

■ 31, 7.124, 330.758

■ 34, 1.643, 330.122

■ 36, 3.751, 149.720

■ 39, 9.027, 149.175

Harmonies

Complementary

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



19, 37.040, 334.499



30, 37.913, 143.355

Rectangle

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



19, 37.040, 334.499



19, 37.040, 24.499



19, 37.040, 154.499



19, 37.040, 204.499

Sweetspot

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



19, 37.039, 334.499



38, 14.953, 331.332



12, 41.705, 304.447



18, 10.131, 331.416



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



19, 37.039, 334.499



23, 50.015, 335.803



18, 29.303, 5.489



15, 3.076, 330.504



22, 52.292, 336.767



53, 92.913, 337.489

Inverse Universe

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



19, 37.039, 334.499



23, 50.015, 335.803



30, 24.616, 166.929



15, 3.076, 330.504



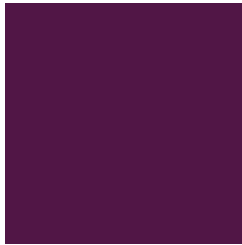
22, 52.292, 336.767



53, 92.913, 337.489

Previews

White Background



This preview shows how the CIE LCh color 19, 37.040, 334.499 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



This preview shows how the CIE LCh color 19, 37.040, 334.499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

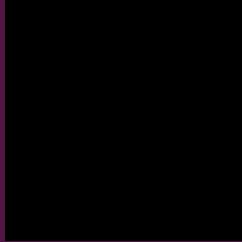
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 37.040, 334.499

Background



This preview shows how black text looks on a background with the CIELCh color 19, 37.040, 334.499.



This preview shows how white text looks on a background with the CIELCh color 19, 37.040, 334.499.

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, 37.040, 334.499

Protanopia

20, 30.839, 285.611

Deuteranopia

20, 13.047, 284.524



Tritanopia
19, 22.659, 22.199

Trichromacy



Original Color
19, 37.040, 334.499

Protanomaly
18, 31.783, 301.505

Deuteranomaly
19, 21.256, 314.847

Tritanomaly
19, 25.366, 357.737

Monochromacy



Original Color
19, 37.040, 334.499

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 15.025, 332.177

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 37.040, 334.499 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(81, 22, 70)` looks like.

```
.text, #text, p{  
    color:rgb(81, 22, 70)  
}
```

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(81, 22, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 22, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 37.040, 334.499 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(81, 22, 70) }
```

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

```
.border{ border-color:rgb(81, 22, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 22, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 22, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 22, 70);  
box-shadow:4px 4px 4px 4px rgb(81, 22, 70)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 37.040, 334.499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 22, 70) }
```

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

```
.background{ background-color: rgb(81, 22,  
70) }
```

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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