

Converting Colors

CIELCh(19, 32.481, 328.194)

Have a look what the booklet for
CIELCh(19, 32.481, 328.194)
contains.

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Color

CIELCh(19, 32.309, 328.588)

Conversions

Conversions Part 1

Format	Color
Hex	491D47
RGB	73, 29, 71
RGB Percent	29%, 11%, 28%
CMY	0.7139, 0.8864, 0.7217
CMYK	0.00, 0.60, 0.03, 0.71
HSL	303°, 43%, 20%
HSV	303°, 60%, 29%
XYZ	4.3199, 2.7468, 6.2582
YIQ	46.9440, 12.7420, 22.3900

Conversions

Conversions Part 2

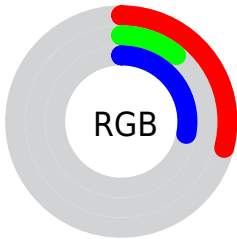
Format	Color
RYB	73, 29, 71
Decimal	4791623
CIELab	19.00, 27.57, -16.84
CIElCh	19, 32.309, 328.588
Yxy	2.7468, 0.3242, 0.2061
Android (android.graphics.Color)	4282981703 (0xFF491D47)
YUV	46.9440, 11.8596, 22.8511
Hunter-Lab	16.5735, 17.5226, -10.7866

Details

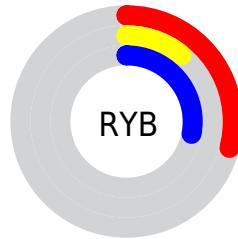
The CIELCh color **19, 32.309, 328.588** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **27, 32.590, 141.058**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 32.119, 328.263**, and **3, 19.521, 327.742** is the 20% darker color. If you saturate the color by 10%, you get **18, 36.550, 328.988**, and if you desaturate by 10%, it is **21, 27.496, 328.149**.

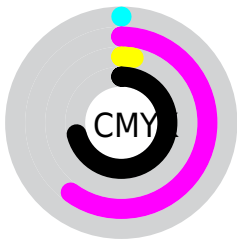
Distribution



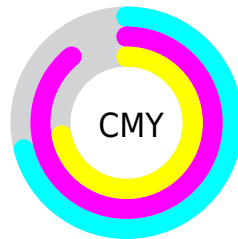
- Red (29%)
- Green (11%)
- Blue (28%)



- Red (29%)
- Yellow (11%)
- Blue (28%)



- Cyan (0%)
- Magenta (60%)
- Yellow (3%)
- Black (71%)



- Cyan (71%)
- Magenta (89%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 32.309, 328.588 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, 32.309, 328.588 by changing the saturation by 10% instead.

■ 19, 32.309,
328.588

■ 19, 32.309,
328.588

■ 100, 32.309,
328.588

■ 9, 32.309, 328.588

■ 39, 32.309,
328.588

■ 0, 32.309, 328.588

■ 49, 32.309,
328.588


■ 59, 32.309,
328.588


■ 69, 32.309,
328.588


■ 79, 32.309,
328.588


■ 89, 32.309,


328.588


 99, 32.309,
328.588


 19, 32.309,
328.588


 19, 32.309,
328.588


 18, 36.550,
328.988


 21, 27.496,
328.149

 16, 40.045,
329.341

 22, 22.290,
327.679

 16, 42.743,
329.647

 24, 16.844,
327.188

 15, 45.355,
329.932

 27, 11.283,
326.684

 29, 5.702, 326.171

■ 31, 0.167, 324.911

■ 33, 5.277, 145.232

■ 36, 10.601,
144.746

■ 38, 15.789,
144.286

Harmonies

Complementary

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



19, 32.309, 328.588



27, 32.590, 141.058

Rectangle

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



19, 32.309, 328.588



19, 32.309, 18.588



19, 32.309, 148.588



19, 32.309, 198.588

Sweetspot

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



19, 32.308, 328.588



35, 12.378, 326.602



13, 31.281, 299.065



17, 8.677, 326.687



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



19, 32.308, 328.588



23, 45.546, 329.150



18, 23.884, 351.775



13, 3.027, 326.079



22, 56.020, 330.011



53, 102.072, 330.151

Inverse Universe

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



19, 32.308, 328.588



23, 45.546, 329.150



27, 22.304, 159.572



13, 3.027, 326.079



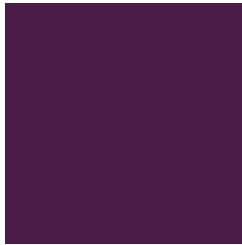
22, 56.020, 330.011



53, 102.072, 330.151

Previews

White Background



This preview shows how the CIE LCh color 19, 32.309, 328.588 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, 32.309, 328.588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

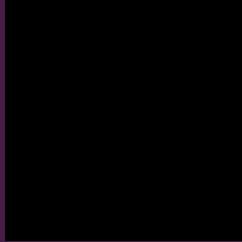
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 32.309, 328.588

Background



This preview shows how black text looks on a background with the CIELCh color 19, 32.309, 328.588.



This preview shows how white text looks on a background with the CIELCh color 19, 32.309, 328.588.

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, 32.309, 328.588

Protanopia

19, 27.492, 284.782

Deuteranopia

20, 14.536, 281.450



Tritanopia
19, 15.722, 18.468

Trichromacy



Original Color
19, 32.309, 328.588

Protanomaly
19, 28.202, 299.332

Deuteranomaly
19, 20.487, 307.011

Tritanomaly
19, 19.277, 350.861

Monochromacy



Original Color
19, 32.309, 328.588

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 13.134, 325.763

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 32.309, 328.588 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(73, 29, 71)` looks like.

```
.text, #text, p{  
    color:rgb(73, 29, 71)  
}
```

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(73, 29, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 29, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 32.309, 328.588 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(73, 29, 71) }
```

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

```
.border{ border-color:rgb(73, 29, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 29, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 29, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 29, 71);  
box-shadow:4px 4px 4px 4px rgb(73, 29, 71)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 32.309, 328.588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 29, 71) }
```

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

```
.background{ background-color: rgb(73, 29,  
71) }
```

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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