

Converting Colors

CIELCh(19, 33.128, 322.425)

Have a look what the booklet for
CIELCh(19, 33.128, 322.425)
contains.

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Color

CIELCh(19, 33.091, 322.406)

Conversions

Conversions Part 1

Format	Color
Hex	451F4C
RGB	69, 31, 76
RGB Percent	27%, 12%, 30%
CMY	0.7302, 0.8792, 0.7027
CMYK	0.09, 0.59, 0.00, 0.70
HSL	291°, 42%, 21%
HSV	291°, 59%, 30%
XYZ	4.2223, 2.7468, 7.1086
YIQ	47.4920, 8.2030, 22.0510

Conversions

Conversions Part 2

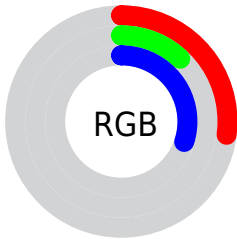
Format	Color
R_YB	69, 31, 76
Decimal	4529996
CIE Lab	19.00, 26.22, -20.19
CIE LCh	19, 33.091, 322.406
Yxy	2.7468, 0.2999, 0.1951
Android (android.graphics.Color)	4282720076 (0xFF451F4C)
YUV	47.4920, 14.0544, 18.8625
Hunter-Lab	16.5735, 16.4714, -13.8286




Details

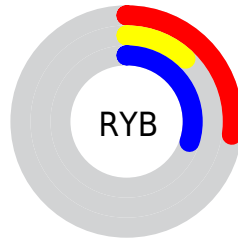
The CIELCh color **19, 33.091, 322.406** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **29, 32.679, 136.732**, and the grayscale version is **19, 0.004, 296.813**.




A 20% lighter version of the original color is **39, 33.153, 322.716**, and **3, 21.274, 319.029** is the 20% darker color. If you saturate the color by 10%, you get **17, 37.840, 322.642**, and if you desaturate by 10%, it is **21, 27.865, 322.093**.

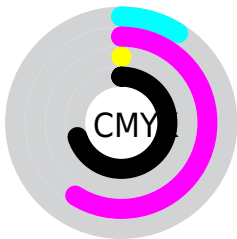
Distribution







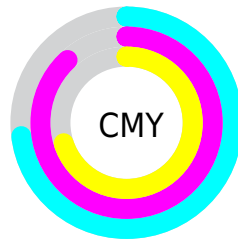
-  Red (27%)
-  Green (12%)
-  Blue (30%)






-  Red (27%)
-  Yellow (12%)
-  Blue (30%)



-  Cyan (9%)
-  Magenta (59%)
-  Yellow (0%)
-  Black (70%)



-  Cyan (73%)
-  Magenta (88%)
-  Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 33.091, 322.406 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, 33.091, 322.406 by changing the saturation by 10% instead.

■ 19, 33.091,
322.406

■ 19, 33.091,
322.406

■ 100, 33.091,
322.406

■ 9, 33.091, 322.406

■ 39, 33.091,
322.406

■ 0, 33.091, 322.406

■ 49, 33.091,
322.406


■ 59, 33.091,
322.406


■ 69, 33.091,
322.406

■ 79, 33.091,
322.406


■ 89, 33.091,


322.406


 99, 33.091,
322.406


 19, 33.091,
322.406


 19, 33.091,
322.406


 17, 37.840,
322.642


 21, 27.865,
322.093


 16, 41.911,
322.772


 23, 22.344,
321.726

 15, 45.150,
322.777

 25, 16.669,
321.327

 13, 48.368,
322.809

 28, 10.949,
320.911

 13, 48.590,
322.814

 30, 5.257, 320.484

■ 32, 0.357, 140.403

■ 35, 5.860, 139.717

■ 37, 11.234,
139.329

■ 40, 16.470,
138.967

Harmonies

Complementary

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



19, 33.091, 322.406



29, 32.679, 136.732

Rectangle

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



19, 33.091, 322.406



19, 33.091, 12.406



19, 33.091, 142.406



19, 33.091, 192.406

Sweetspot

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



19, 33.090, 322.406



37, 12.747, 320.883



17, 26.105, 291.316



17, 8.939, 320.957



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



19, 33.090, 322.406



23, 47.889, 322.713



19, 27.164, 340.143



14, 3.160, 320.454



20, 59.673, 322.597



48, 108.128, 322.211

Inverse Universe

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



19, 22.805, 14.388



23, 34.272, 18.106



28, 26.878, 150.379



14, 1.950, 7.299



19, 47.244, 29.057



48, 89.065, 33.335

Previews

White Background



This preview shows how the CIE LCh color 19, 33.091, 322.406 looks on a white background.

Color Contrast Check

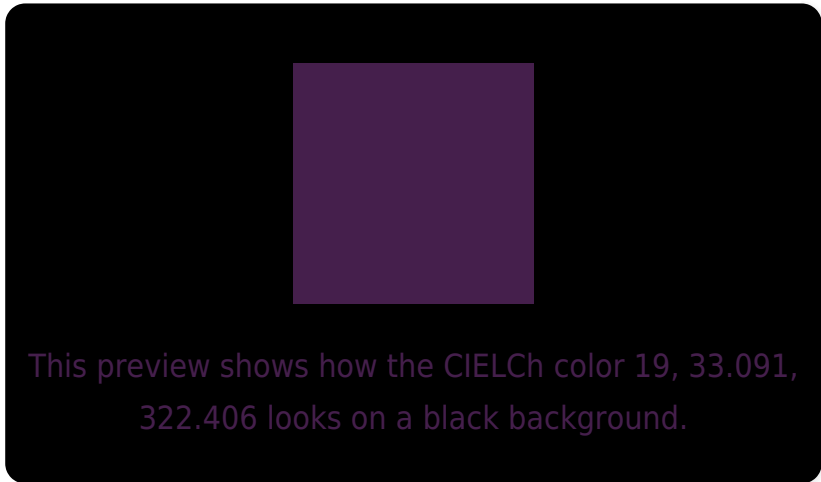
Large Text (above 18pt) WCAG AA ✓ Pass

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

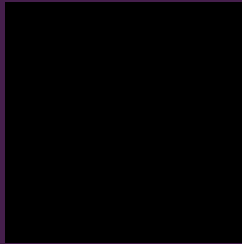
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 33.091, 322.406

Background



This preview shows how black text looks on a background with the CIELCh color 19, 33.091, 322.406.



This preview shows how white text looks on a background with the CIELCh color 19, 33.091, 322.406.

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, 33.091, 322.406

Protanopia

19, 30.230, 284.770

Deuteranopia

19, 18.108, 279.715



Tritanopia
19, 12.060, 12.722

Trichromacy



Original Color
19, 33.091, 322.406

Protanomaly
18, 30.866, 296.608

Deuteranomaly
19, 22.833, 300.993

Tritanomaly
19, 17.811, 340.907

Monochromacy



Original Color
19, 33.091, 322.406

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 12.657, 322.134

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 33.091, 322.406 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(69, 31, 76)` looks like.

```
.text, #text, p{  
    color:rgb(69, 31, 76)  
}
```

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(69, 31, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 31, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 33.091, 322.406 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(69, 31, 76) }
```

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

```
.border{ border-color:rgb(69, 31, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 31, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 31, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 31, 76);  
box-shadow:4px 4px 4px 4px rgb(69, 31, 76)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 33.091, 322.406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 31, 76) }
```

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

```
.background{ background-color: rgb(69, 31,  
76) }
```

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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