

Converting Colors

CIELCh(19, 30.123, 327.724)

Have a look what the booklet for
CIELCh(19, 30.123, 327.724)
contains.

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Color

CIELCh(19, 30.200, 327.783)

Conversions

Conversions Part 1

Format	Color
Hex	471F46
RGB	71, 31, 70
RGB Percent	28%, 12%, 27%
CMY	0.7222, 0.8790, 0.7261
CMYK	0.00, 0.56, 0.01, 0.72
HSL	301°, 39%, 20%
HSV	301°, 56%, 28%
XYZ	4.1746, 2.7468, 6.0803
YIQ	47.4060, 11.3210, 20.6090

Conversions

Conversions Part 2

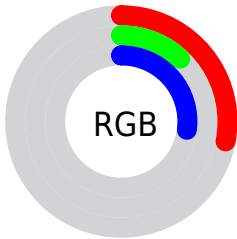
Format	Color
RYB	71, 31, 70
Decimal	4661062
CIELab	19.00, 25.55, -16.10
CIELCh	19, 30.200, 327.783
Yxy	2.7468, 0.3211, 0.2113
Android (android.graphics.Color)	4282851142 (0xFF471F46)
YUV	47.4060, 11.1388, 20.6919
Hunter-Lab	16.5735, 15.9576, -10.1500

Details

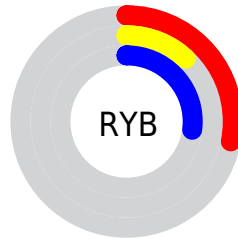
The CIELCh color **19, 30.200, 327.783** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **26, 30.384, 140.954**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 30.582, 327.610**, and **3, 18.479, 327.637** is the 20% darker color. If you saturate the color by 10%, you get **18, 34.651, 328.173**, and if you desaturate by 10%, it is **21, 25.260, 327.351**.

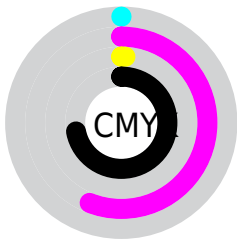
Distribution



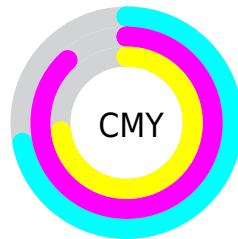
- Red (28%)
- Green (12%)
- Blue (27%)



- Red (28%)
- Yellow (12%)
- Blue (27%)



- Cyan (0%)
- Magenta (56%)
- Yellow (1%)
- Black (72%)



- Cyan (72%)
- Magenta (88%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 30.200, 327.783 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, 30.200, 327.783 by changing the saturation by 10% instead.

■ 19, 30.200,
327.783

■ 19, 30.200,
327.783

■ 100, 30.200,
327.783

■ 9, 30.200, 327.783

■ 39, 30.200,
327.783

■ 0, 30.200, 327.783

■ 49, 30.200,
327.783


■ 59, 30.200,
327.783


■ 69, 30.200,
327.783


■ 79, 30.200,
327.783


■ 89, 30.200,


327.783


 99, 30.200,
327.783


 19, 30.200,
327.783


 19, 30.200,
327.783

 18, 34.651,
328.173


 21, 25.260,
327.351

 16, 38.444,
328.512


 23, 19.998,
326.888

 15, 41.424,
328.793

 24, 14.553,
326.404

 15, 44.117,
329.048

 27, 9.034, 325.907

 14, 45.125,
329.140

 29, 3.523, 325.391

 31, 1.924, 145.004

■ 33, 7.269, 144.479

■ 35, 12.488,
144.010

■ 38, 17.569,
143.563

Harmonies

Complementary

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



19, 30.200, 327.783



26, 30.384, 140.954

Rectangle

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



19, 30.200, 327.783



19, 30.200, 17.783



19, 30.200, 147.783



19, 30.200, 197.783

Sweetspot

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



19, 30.199, 327.783



34, 11.586, 325.968



14, 28.377, 297.938



16, 7.638, 326.003



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, 30.199, 327.783



23, 43.359, 328.323



18, 22.127, 350.097



13, 3.070, 325.507



22, 56.877, 329.187



54, 103.753, 329.260

Inverse Universe

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



19, 30.199, 327.783



23, 43.359, 328.323



27, 20.838, 159.213



13, 3.070, 325.507



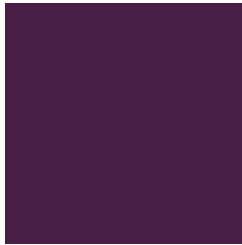
22, 56.877, 329.187



54, 103.753, 329.260

Previews

White Background



This preview shows how the CIE LCh color 19, 30.200, 327.783 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, 30.200, 327.783 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

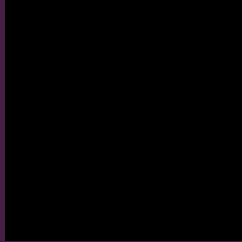
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 30.200, 327.783

Background



This preview shows how black text looks on a background with the CIELCh color 19, 30.200, 327.783.



This preview shows how white text looks on a background with the CIELCh color 19, 30.200, 327.783.

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, 30.200, 327.783

Protanopia

19, 25.438, 284.782

Deuteranopia

20, 13.880, 280.606



Tritanopia
19, 14.662, 15.231

Trichromacy



Original Color
19, 30.200, 327.783

Protanomaly
18, 26.220, 300.010

Deuteranomaly
19, 19.047, 306.566

Tritanomaly
19, 18.545, 348.926

Monochromacy



Original Color
19, 30.200, 327.783

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 11.771, 327.573

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 30.200, 327.783 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(71, 31, 70)` looks like.

```
.text, #text, p{  
    color:rgb(71, 31, 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(71, 31, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 31, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 30.200, 327.783 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(71, 31, 70) }
```

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

```
.border{ border-color:rgb(71, 31, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 31, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 31, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 31, 70);  
box-shadow:4px 4px 4px 4px rgb(71, 31, 70)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 30.200, 327.783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 31, 70) }
```

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

```
.background{ background-color: rgb(71, 31,  
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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