

Converting Colors

CIELCh(19, 31.387, 336.081)

Have a look what the booklet for
CIELCh(19, 31.387, 336.081)
contains.

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Color

CIELCh(19, 31.497, 336.226)

Conversions

Conversions Part 1

Format	Color
Hex	4D1B41
RGB	77, 27, 65
RGB Percent	30%, 11%, 25%
CMY	0.6979, 0.8940, 0.7450
CMYK	0.00, 0.65, 0.16, 0.70
HSL	314°, 48%, 20%
HSV	314°, 65%, 30%
XYZ	4.4114, 2.7468, 5.3039
YIQ	46.2820, 17.6020, 22.4180

Conversions

Conversions Part 2

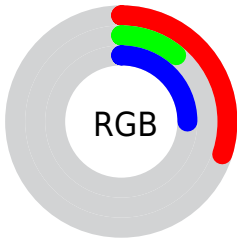
Format	Color
RYB	77, 27, 65
Decimal	5053249
CIELab	19.00, 28.82, -12.70
CIElCh	19, 31.497, 336.226
Yxy	2.7468, 0.3540, 0.2204
Android (android.graphics.Color)	4283243329 (0xFF4D1B41)
YUV	46.2820, 9.2280, 26.9397
Hunter-Lab	16.5735, 18.5076, -7.3725

Details

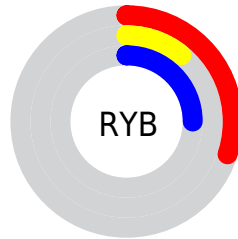
The CIELCh color **19, 31.497, 336.226** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **29, 31.731, 146.234**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 31.558, 336.356**, and **3, 18.080, 340.384** is the 20% darker color. If you saturate the color by 10%, you get **18, 35.037, 337.035**, and if you desaturate by 10%, it is **21, 27.307, 335.476**.

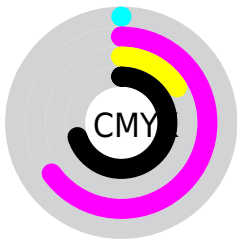
Distribution



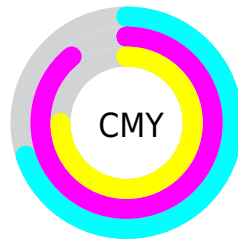
- Red (30%)
- Green (11%)
- Blue (25%)



- Red (30%)
- Yellow (11%)
- Blue (25%)



- Cyan (0%)
- Magenta (65%)
- Yellow (16%)
- Black (70%)



- Cyan (70%)
- Magenta (89%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 31.497, 336.226 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, 31.497, 336.226 by changing the saturation by 10% instead.

■ 19, 31.497,
336.226

■ 19, 31.497,
336.226

■ 100, 31.497,
336.226

■ 9, 31.497, 336.226

■ 39, 31.497,
336.226

■ 0, 31.497, 336.226

■ 49, 31.497,
336.226


■ 59, 31.497,
336.226


■ 69, 31.497,
336.226


■ 79, 31.497,
336.226


■ 89, 31.497,


336.226


 99, 31.497,
336.226


 19, 31.497,
336.226


 19, 31.497,
336.226


 18, 35.037,
337.035


 21, 27.307,
335.476

 16, 37.744,
337.926

 23, 22.664,
334.767

 15, 39.871,
338.861

 25, 17.738,
334.093

 15, 41.039,
339.304

 27, 12.667,
333.445

 29, 7.553, 332.820

■ 32, 2.470, 332.185

■ 34, 2.535, 151.750

■ 36, 7.433, 151.168

■ 39, 12.207,
150.646

Harmonies

Complementary

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



19, 31.497, 336.226



29, 31.731, 146.234

Rectangle

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



19, 31.497, 336.226



19, 31.497, 26.226



19, 31.497, 156.226



19, 31.497, 206.226

Sweetspot

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



19, 31.496, 336.226



37, 11.922, 333.117



14, 35.365, 304.658



17, 8.277, 333.220



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, 31.496, 336.226



23, 43.818, 337.549



18, 25.248, 7.186



14, 2.801, 332.432



21, 49.507, 339.850



52, 88.552, 340.918

Inverse Universe

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



19, 31.496, 336.226



23, 43.818, 337.549



29, 20.706, 171.821



14, 2.801, 332.432



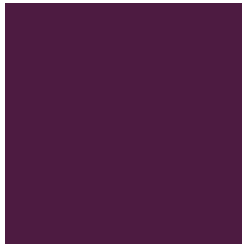
21, 49.507, 339.850



52, 88.552, 340.918

Previews

White Background



This preview shows how the CIE LCh color 19, 31.497, 336.226 looks on a white background.

Color Contrast Check

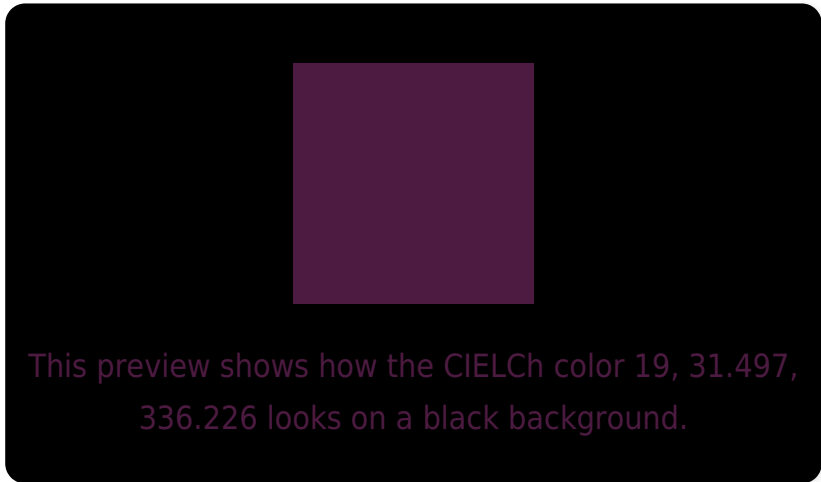
Large Text (above 18pt) WCAG AA ✓ Pass

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

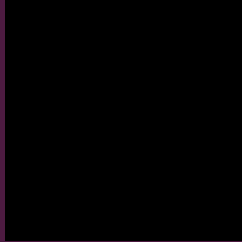
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 31.497, 336.226

Background



This preview shows how black text looks on a background with the CIELCh color 19, 31.497, 336.226.



This preview shows how white text looks on a background with the CIELCh color 19, 31.497, 336.226.

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, 31.497, 336.226

Protanopia

19, 24.058, 284.945

Deuteranopia

20, 10.279, 285.683



Tritanopia
19, 19.985, 20.847

Trichromacy



Original Color
19, 31.497, 336.226

Protanomaly
18, 25.062, 303.433

Deuteranomaly
19, 17.214, 316.959

Tritanomaly
19, 22.288, 359.432

Monochromacy



Original Color
19, 31.497, 336.226

Achromatopsia
19, 0.004, 296.813

Achromatomaly
18, 12.648, 333.082

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 31.497, 336.226 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(77, 27, 65)` looks like.

```
.text, #text, p{  
    color:rgb(77, 27, 65)  
}
```

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(77, 27, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 27, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 31.497, 336.226 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(77, 27, 65) }
```

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

```
.border{ border-color:rgb(77, 27, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 27, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 27, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 27, 65);  
box-shadow:4px 4px 4px 4px rgb(77, 27, 65)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 31.497, 336.226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 27, 65) }
```

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

```
.background{ background-color: rgb(77, 27,  
65) }
```

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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