

Converting Colors

CIELCh(31, 49.412, 348.287)

Have a look what the booklet for
CIELCh(31, 49.412, 348.287)
contains.

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Color

CIELCh(31, 49.532, 347.950)

Conversions

Conversions Part 1

Format	Color
Hex	851D5A
RGB	133, 29, 90
RGB Percent	52%, 11%, 35%
CMY	0.4772, 0.8848, 0.6460
CMYK	0.00, 0.78, 0.32, 0.48
HSL	325°, 64%, 32%
HSV	325°, 78%, 52%
XYZ	12.0279, 6.6515, 10.3837
YIQ	67.0500, 42.4030, 41.0190

Conversions

Conversions Part 2

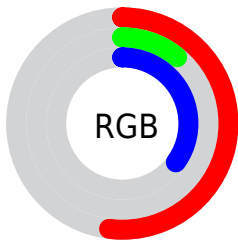
Format	Color
R_{YB}	133, 29, 90
Decimal	8723802
CIE _{Lab}	31.00, 48.44, -10.34
CIE _{LCh}	31, 49.532, 347.950
Yxy	6.6515, 0.4139, 0.2289
Android (android.graphics.Color)	4286913882 (0xFF851D5A)
YUV	67.0500, 11.3144, 57.8382
Hunter-Lab	25.7905, 38.1133, -5.8179

Details

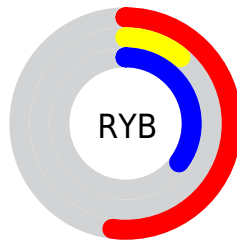
The CIELCh color **31, 49.532, 347.950** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **49, 49.739, 150.153**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 49.597, 347.762**, and **15, 37.291, 353.311** is the 20% darker color. If you saturate the color by 10%, you get **30, 52.221, 350.088**, and if you desaturate by 10%, it is **33, 45.365, 346.214**.

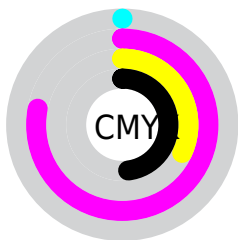
Distribution



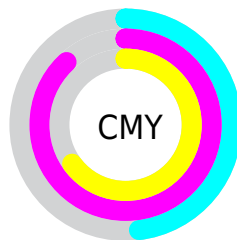
- Red (52%)
- Green (11%)
- Blue (35%)



- Red (52%)
- Yellow (11%)
- Blue (35%)



- Cyan (0%)
- Magenta (78%)
- Yellow (32%)
- Black (48%)





- Cyan (48%)
- Magenta (88%)
- Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 49.532, 347.950 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 31, 49.532, 347.950 by changing the saturation by 10% instead.


 31, 49.532,
347.950


 31, 49.532,
347.950

 100, 49.532,
347.950


 21, 49.532,
347.950

 51, 49.532,
347.950


 11, 49.532,
347.950


 61, 49.532,
347.950

 1, 49.532, 347.950

 71, 49.532,
347.950

 0, 49.532, 347.950

 81, 49.532,
347.950

 91, 49.532,
347.950

■ 31, 49.532,
347.950

■ 31, 49.532,
347.950

■ 30, 52.221,
350.088

■ 33, 45.365,
346.214

■ 28, 53.631,
352.643

■ 36, 39.990,
344.773

■ 28, 53.914,
353.164

■ 39, 33.743,
343.545

■ 42, 26.947,
342.473

■ 45, 19.868,
341.517

■ 49, 12.704,
340.648

■ 53, 5.587, 339.832

■ 56, 1.399, 159.354

Harmonies

Complementary

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



31, 49.532, 347.950



49, 49.739, 150.153

Rectangle

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



31, 49.532, 347.950



31, 49.532, 37.950



31, 49.532, 167.950



31, 49.532, 217.950

Sweetspot

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



31, 49.530, 347.951



60, 20.220, 341.121



23, 65.974, 310.027



29, 13.952, 341.397



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



31, 49.530, 347.951



38, 64.575, 352.207



30, 48.643, 25.533



26, 3.940, 339.925



28, 52.978, 353.080



0, 0.935, 339.292

Inverse Universe

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



31, 49.530, 347.951



38, 64.575, 352.207



50, 30.909, 184.882



26, 3.940, 339.925



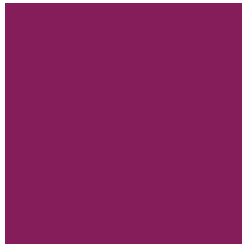
28, 52.978, 353.080



0, 0.935, 339.292

Previews

White Background



This preview shows how the CIELCh color 31, 49.532, 347.950 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 31, 49.532, 347.950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

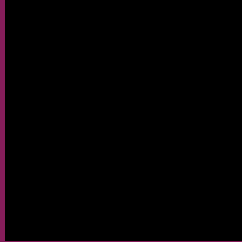
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 49.532, 347.950

Background



This preview shows how black text looks on a background with the CIELCh color 31, 49.532, 347.950.



This preview shows how white text looks on a background with the CIELCh color 31, 49.532, 347.950.

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

31, 49.532, 347.950

Protanopia

32, 30.594, 285.530

Deuteranopia

32, 7.831, 303.786



Tritanopia
31, 41.667, 26.942

Trichromacy



Original Color
31, 49.532, 347.950

Protanomaly
29, 35.290, 311.669

Deuteranomaly
30, 25.075, 335.014

Tritanomaly
31, 41.812, 11.155

Monochromacy



Original Color
31, 49.532, 347.950

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 21.529, 343.047

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 49.532, 347.950 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(133, 29, 90)` looks like.

```
.text, #text, p{  
    color:rgb(133, 29, 90)  
}
```

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(133, 29, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 29, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 49.532, 347.950 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(133, 29, 90) }
```

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

```
.border{ border-color:rgb(133, 29, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 29, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 29, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 29, 90);  
box-shadow:4px 4px 4px 4px rgb(133, 29,  
90) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 49.532, 347.950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 29, 90) }
```

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

```
.background{ background-color: rgb(133, 29,  
90) }
```

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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