

Converting Colors

CIELCh(31, 49.292, 359.244)

Have a look what the booklet for
CIELCh(31, 49.292, 359.244)
contains.

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Color

CIELCh(31, 49.205, 359.024)

Conversions

Conversions Part 1

Format	Color
Hex	8A1A4C
RGB	138, 26, 76
RGB Percent	54%, 10%, 30%
CMY	0.4591, 0.8984, 0.7022
CMYK	0.00, 0.81, 0.45, 0.46
HSL	333°, 68%, 32%
HSV	333°, 81%, 54%
XYZ	12.1370, 6.6515, 7.4694
YIQ	65.1880, 50.7020, 39.2940

Conversions

Conversions Part 2

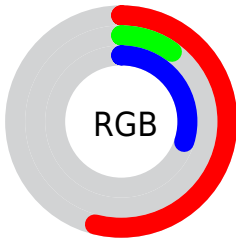
Format	Color
R_{YB}	138, 26, 76
Decimal	9050700
CIE Lab	31.00, 49.20, -0.84
CIE LCh	31, 49.205, 359.024
Yxy	6.6515, 0.4622, 0.2533
Android (android.graphics.Color)	4287240780 (0xFF8A1A4C)
YUV	65.1880, 5.3303, 63.8561
Hunter-Lab	25.7905, 38.8690, 0.8819

Details

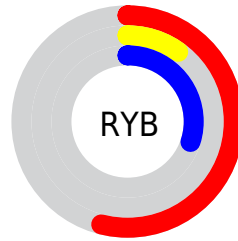
The CIELCh color **31, 49.205, 359.024** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **51, 46.125, 156.418**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 48.982, 358.732**, and **15, 37.037, 7.802** is the 20% darker color. If you saturate the color by 10%, you get **30, 51.798, 2.462**, and if you desaturate by 10%, it is **33, 45.269, 356.297**.

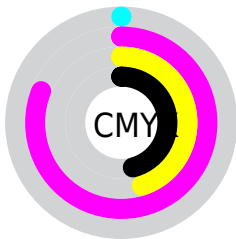
Distribution



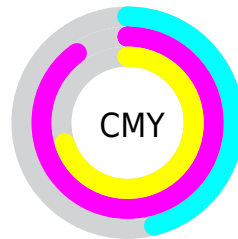
- Red (54%)
- Green (10%)
- Blue (30%)



- Red (54%)
- Yellow (10%)
- Blue (30%)



- Cyan (0%)
- Magenta (81%)
- Yellow (45%)
- Black (46%)





- Cyan (46%)
- Magenta (90%)
- Yellow (70%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 49.205, 359.024 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, 49.205, 359.024 by changing the saturation by 10% instead.


 31, 49.205,
359.024


 31, 49.205,
359.024

 100, 49.205,
359.024


 21, 49.205,
359.024

 51, 49.205,
359.024


 11, 49.205,
359.024


 61, 49.205,
359.024

 1, 49.205, 359.024

 71, 49.205,
359.024

 0, 49.205, 359.024

 81, 49.205,
359.024

 91, 49.205,
359.024

■ 31, 49.205,
359.024

■ 31, 49.205,
359.024

■ 30, 51.798, 2.462

■ 33, 45.269,
356.297

■ 29, 53.458, 5.882

■ 35, 40.171,
354.118

■ 38, 34.215,
352.346

■ 42, 27.720,
350.874

■ 45, 20.959,
349.619

■ 49, 14.135,
348.526

■ 53, 7.385, 347.547

■ 57, 0.793, 346.324

Harmonies

Complementary

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



31, 49.205, 359.024



51, 46.125, 156.418

Rectangle

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



31, 49.205, 359.024



31, 49.205, 49.024



31, 49.205, 179.024



31, 49.205, 229.024

Sweetspot

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



31, 49.202, 359.025



61, 19.799, 348.872



26, 69.079, 313.892



30, 13.582, 349.209



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



31, 49.202, 359.025



38, 64.046, 5.712



31, 53.826, 35.149



27, 3.701, 347.352



27, 51.959, 5.689



0, 1.697, 346.628

Inverse Universe

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



31, 49.202, 359.025



38, 64.046, 5.712



50, 28.370, 203.395



27, 3.701, 347.352



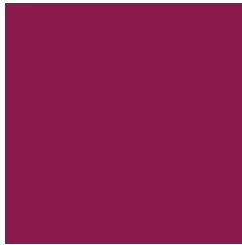
27, 51.959, 5.689



0, 1.697, 346.628

Previews

White Background



This preview shows how the CIE LCh color 31, 49.205, 359.024 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, 49.205, 359.024 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

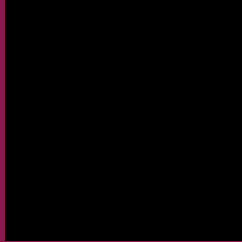
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 49.205, 359.024

Background



This preview shows how black text looks on a background with the CIELCh color 31, 49.205, 359.024.



This preview shows how white text looks on a background with the CIELCh color 31, 49.205, 359.024.

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, 49.205, 359.024

Protanopia

32, 19.175, 283.815

Deuteranopia

32, 5.000, 27.364



Tritanopia
31, 48.008, 29.276

Trichromacy



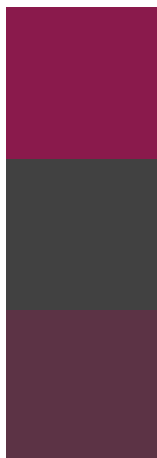
Original Color
31, 49.205, 359.024

Protanomaly
29, 27.320, 324.821

Deuteranomaly
30, 23.855, 356.170

Tritanomaly
31, 46.991, 18.563

Monochromacy



Original Color
31, 49.205, 359.024

Achromatopsia
28, 0.004, 296.813

Achromatomaly
27, 21.397, 351.545

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 49.205, 359.024 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(138, 26, 76)` looks like.

```
.text, #text, p{  
  color:rgb(138, 26, 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(138, 26, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 26, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 49.205, 359.024 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(138, 26, 76) }
```

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

```
.border{ border-color:rgb(138, 26, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 26, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 26, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 26, 76);  
box-shadow:4px 4px 4px 4px rgb(138, 26,  
76) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 49.205, 359.024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 26, 76) }
```

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

```
.background{ background-color: rgb(138, 26,  
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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