

Converting Colors

CIELCh(31, 47.232, 30.303)

Have a look what the booklet for
CIELCh(31, 47.232, 30.303) contains.

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Color

CIELCh(31, 47.123, 30.202)

Conversions

Conversions Part 1

Format	Color
Hex	862626
RGB	134, 38, 38
RGB Percent	53%, 15%, 15%
CMY	0.4730, 0.8495, 0.8499
CMYK	0.00, 0.71, 0.72, 0.47
HSL	0°, 56%, 34%
HSV	0°, 72%, 53%
XYZ	10.9527, 6.6515, 2.5645
YIQ	66.7040, 57.2160, 20.3520

Conversions

Conversions Part 2

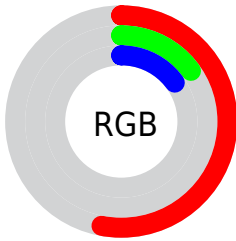
Format	Color
RYB	134, 38, 38
Decimal	8791590
CIELab	31.00, 40.73, 23.71
CIElCh	31, 47.123, 30.202
Yxy	6.6515, 0.5431, 0.3298
Android (android.graphics.Color)	4286981670 (0xFF862626)
YUV	66.7040, -14.1511, 59.0186
Hunter-Lab	25.7905, 30.6721, 12.1579

Details

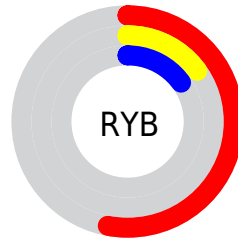
The CIELCh color **31, 47.123, 30.202** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **51, 27.853, 196.790**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 47.209, 30.417**, and **13, 39.883, 31.626** is the 20% darker color. If you saturate the color by 10%, you get **29, 53.996, 33.518**, and if you desaturate by 10%, it is **34, 39.899, 27.387**.

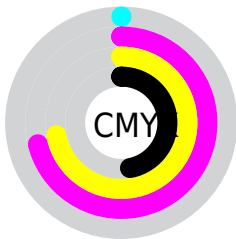
Distribution



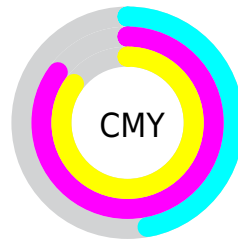
- Red (53%)
- Green (15%)
- Blue (15%)



- Red (53%)
- Yellow (15%)
- Blue (15%)



- Cyan (0%)
- Magenta (71%)
- Yellow (72%)
- Black (47%)



- Cyan (47%)
- Magenta (85%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 47.123, 30.202 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, 47.123, 30.202 by changing the saturation by 10% instead.

■ 31, 47.123, 30.202

■ 31, 47.123, 30.202

■ 100, 47.123,
30.202

■ 21, 47.123, 30.202

■ 51, 47.123, 30.202

■ 11, 47.123, 30.202

■ 61, 47.123, 30.202

■ 1, 47.123, 30.202

■ 71, 47.123, 30.202

■ 0, 47.123, 30.202

■ 81, 47.123, 30.202

■ 91, 47.123, 30.202

■ 31, 47.123, 30.202

■ 31, 47.123, 30.202

■ 29, 53.996, 33.518

■ 34, 39.899, 27.387

28, 59.945, 36.848

37, 32.628, 25.134

27, 63.821, 38.773

40, 25.519, 23.379

44, 18.721, 22.022

47, 12.319, 20.970

51, 6.347, 20.131

55, 0.803, 19.053

60, 4.336, 199.163

64, 9.104, 198.716

Harmonies

Complementary

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



31, 47.123, 30.202



51, 27.853, 196.790

Rectangle

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



31, 47.123, 30.202



31, 47.123, 80.202



31, 47.123, 210.202



31, 47.123, 260.202

Sweetspot

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



31, 47.121, 30.205



61, 14.985, 20.967



34, 61.734, 327.744



31, 10.313, 21.194



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, 47.121, 30.205



38, 70.693, 35.750



41, 38.399, 66.603



26, 3.047, 19.948



26, 62.107, 38.525



0, 0.706, 19.476

Inverse Universe

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



51, 27.853, 196.790



65, 36.815, 196.584



36, 31.593, 271.190



28, 2.883, 199.086



49, 30.373, 196.514



1, 0.706, 199.493

Previews

White Background



This preview shows how the CIELCh color 31, 47.123, 30.202 looks on a white background.

Color Contrast Check

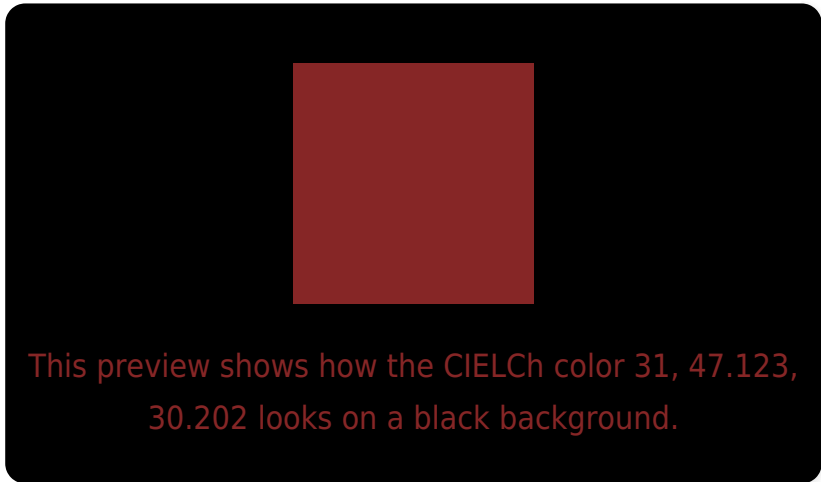
Large Text (above 18pt) WCAG AA ✓ Pass

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

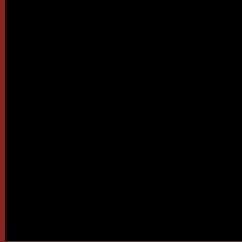
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 47.123, 30.202

Background



This preview shows how black text looks on a background with the CIELCh color 31, 47.123, 30.202.

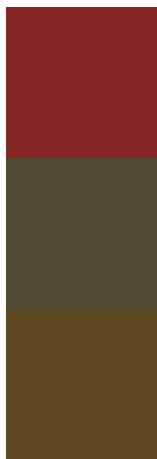


This preview shows how white text looks on a background with the CIELCh color 31, 47.123, 30.202.

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, 47.123, 30.202

Protanopia

31, 14.753, 96.107

Deuteranopia

32, 26.204, 81.216



Tritanopia
31, 46.614, 28.829

Trichromacy



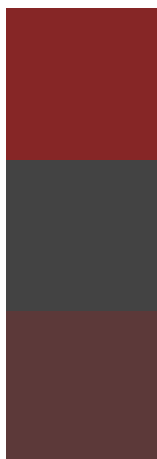
Original Color
31, 47.123, 30.202

Protanomaly
30, 22.412, 46.924

Deuteranomaly
30, 30.297, 51.770

Tritanomaly
31, 46.865, 29.521

Monochromacy



Original Color
31, 47.123, 30.202

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 16.851, 22.590

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 47.123, 30.202 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(134, 38, 38)` looks like.

```
.text, #text, p{  
    color:rgb(134, 38, 38)  
}
```

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(134, 38, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 38, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 47.123, 30.202 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(134, 38, 38) }
```

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

```
.border{ border-color:rgb(134, 38, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 38, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 38, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 38, 38);  
box-shadow:4px 4px 4px 4px rgb(134, 38,  
38) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 47.123, 30.202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 38, 38) }
```

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

```
.background{ background-color: rgb(134, 38,  
38) }
```

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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