

Converting Colors

CIELCh(31, 49.755, 22.507)

Have a look what the booklet for
CIELCh(31, 49.755, 22.507) contains.

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Color

CIELCh(31, 49.559, 22.350)

Conversions

Conversions Part 1

Format	Color
Hex	8B1E2E
RGB	139, 30, 46
RGB Percent	55%, 12%, 18%
CMY	0.4539, 0.8813, 0.8189
CMYK	0.00, 0.78, 0.67, 0.45
HSL	351°, 64%, 33%
HSV	351°, 78%, 55%
XYZ	11.6574, 6.6515, 3.2735
YIQ	64.4150, 59.8280, 28.0840

Conversions

Conversions Part 2

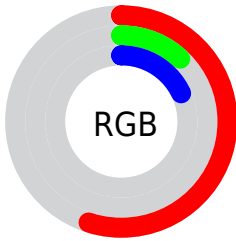
Format	Color
RYB	139, 30, 46
Decimal	9117230
CIELab	31.00, 45.84, 18.85
CIELCh	31, 49.559, 22.350
Yxy	6.6515, 0.5401, 0.3082
Android (android.graphics.Color)	4287307310 (0xFF8B1E2E)
YUV	64.4150, -9.0786, 65.4110
Hunter-Lab	25.7905, 35.5489, 10.5279

Details

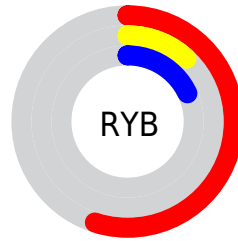
The CIELCh color **31, 49.559, 22.350** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **52, 33.359, 179.994**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 49.401, 22.281**, and **14, 41.690, 32.564** is the 20% darker color. If you saturate the color by 10%, you get **29, 54.931, 26.656**, and if you desaturate by 10%, it is **33, 43.556, 18.771**.

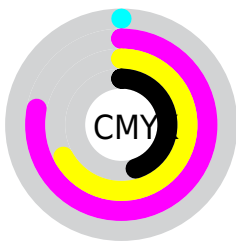
Distribution



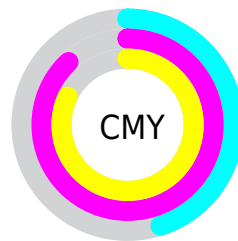
- Red (55%)
- Green (12%)
- Blue (18%)



- Red (55%)
- Yellow (12%)
- Blue (18%)



- Cyan (0%)
- Magenta (78%)
- Yellow (67%)
- Black (45%)



- Cyan (45%)
- Magenta (88%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 49.559, 22.350 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, 49.559, 22.350 by changing the saturation by 10% instead.

31, 49.559, 22.350

31, 49.559, 22.350

100, 49.559,
22.350

21, 49.559, 22.350

51, 49.559, 22.350

11, 49.559, 22.350

61, 49.559, 22.350

1, 49.559, 22.350

71, 49.559, 22.350

0, 49.559, 22.350

81, 49.559, 22.350

91, 49.559, 22.350

31, 49.559, 22.350

31, 49.559, 22.350

29, 54.931, 26.656

33, 43.556, 18.771

■ 28, 59.773, 31.241

■ 36, 37.090, 15.897

■ 28, 60.632, 31.940

■ 39, 30.381, 13.615

■ 43, 23.649, 11.797

■ 46, 17.063, 10.329

■ 50, 10.734, 9.119

■ 55, 4.718, 8.076

■ 59, 0.963, 187.737

■ 63, 6.314, 186.661

Harmonies

Complementary

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



31, 49.559, 22.350



52, 33.359, 179.994

Rectangle

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



31, 49.559, 22.350



31, 49.559, 72.350



31, 49.559, 202.350



31, 49.559, 252.350

Sweetspot

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



31, 49.557, 22.352



62, 16.994, 9.725



32, 66.853, 322.973



31, 11.957, 10.130



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



31, 49.557, 22.352



38, 71.094, 30.363



37, 44.950, 52.607



27, 3.203, 8.166



27, 58.370, 31.679



0, 1.450, 7.450

Inverse Universe

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



31, 49.557, 22.352



38, 71.094, 30.363



40, 28.334, 253.889



27, 3.203, 8.166



27, 58.370, 31.679



0, 1.450, 7.450

Previews

White Background



This preview shows how the CIELCh color 31, 49.559, 22.350 looks on a white background.

Color Contrast Check

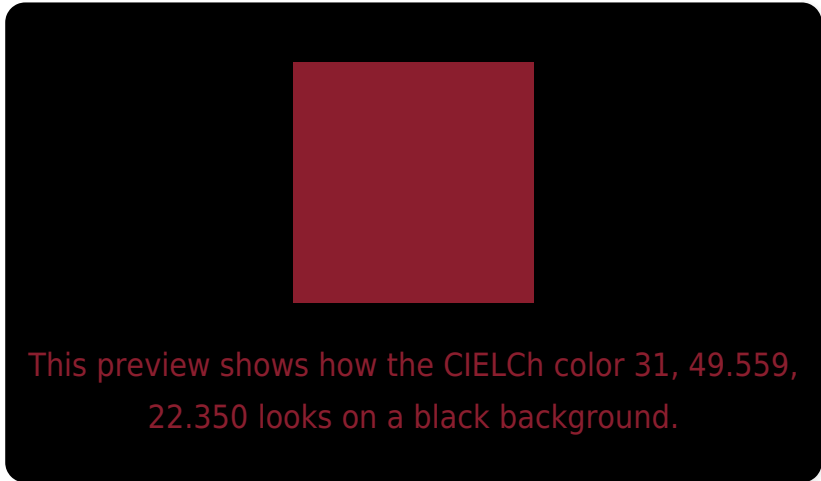
Large Text (above 18pt) WCAG AA ✓ Pass

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, 49.559, 22.350

Background



This preview shows how black text looks on a background with the CIELCh color 31, 49.559, 22.350.



This preview shows how white text looks on a background with the CIELCh color 31, 49.559, 22.350.

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, 49.559, 22.350

Protanopia

32, 7.190, 93.984

Deuteranopia

32, 22.160, 79.150



Tritanopia
31, 51.616, 31.184

Trichromacy



Original Color
31, 49.559, 22.350

Protanomaly
29, 20.345, 24.934

Deuteranomaly
30, 29.174, 41.078

Tritanomaly
31, 50.805, 28.363

Monochromacy



Original Color
31, 49.559, 22.350

Achromatopsia
28, 0.004, 296.813

Achromatomaly
27, 19.243, 12.043

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 49.559, 22.350 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(139, 30, 46)` looks like.

```
.text, #text, p{  
    color:rgb(139, 30, 46)  
}
```

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(139, 30, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 30, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 49.559, 22.350 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(139, 30, 46) }
```

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

```
.border{ border-color:rgb(139, 30, 46) }
```

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

Here you see how a box with a 4 pixel rgb(139, 30, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 30, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 30, 46);  
box-shadow:4px 4px 4px 4px rgb(139, 30,  
46) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 49.559, 22.350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 30, 46) }
```

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

```
.background{ background-color: rgb(139, 30,  
46) }
```

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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