

Converting Colors

CIELCh(32, 61.040, 31.142)

Have a look what the booklet for
CIELCh(32, 61.040, 31.142) contains.

CIELCh(32, 60.848, 31.119)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(32, 60.848, 31.119)

Conversions

Conversions Part 1

Format	Color
Hex	97111D
RGB	151, 17, 29
RGB Percent	59%, 7%, 11%
CMY	0.4074, 0.9326, 0.8860
CMYK	0.00, 0.89, 0.81, 0.41
HSL	355°, 80%, 33%
HSV	355°, 89%, 59%
XYZ	13.2090, 7.0852, 1.8387
YIQ	58.4340, 76.0120, 32.1400

Conversions

Conversions Part 2

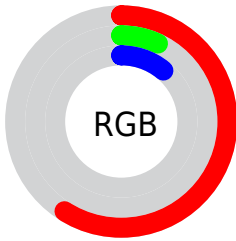
Format	Color
RYB	151, 17, 29
Decimal	9900317
CIELab	32.00, 52.09, 31.45
CIELCh	32, 60.848, 31.119
Yxy	7.0852, 0.5968, 0.3201
Android (android.graphics.Color)	4288090397 (0xFF97111D)
YUV	58.4340, -14.5110, 81.1804
Hunter-Lab	26.6180, 41.9978, 14.5370

Details

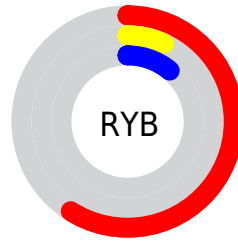
The CIELCh color **32, 60.848, 31.119** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **56, 35.502, 185.034**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 60.785, 31.215**, and **17, 45.705, 34.322** is the 20% darker color. If you saturate the color by 10%, you get **31, 66.288, 35.245**, and if you desaturate by 10%, it is **34, 54.596, 26.932**.

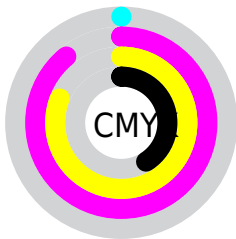
Distribution



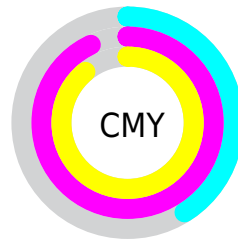
- Red (59%)
- Green (7%)
- Blue (11%)



- Red (59%)
- Yellow (7%)
- Blue (11%)



- Cyan (0%)
- Magenta (89%)
- Yellow (81%)
- Black (41%)



- Cyan (41%)
- Magenta (93%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 60.848, 31.119 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 32, 60.848, 31.119 by changing the saturation by 10% instead.

■ 32, 60.848, 31.119

■ 32, 60.848, 31.119

■ 100, 60.848,
31.119

■ 22, 60.848, 31.119

■ 52, 60.848, 31.119

■ 12, 60.848, 31.119

■ 62, 60.848, 31.119

■ 2, 60.848, 31.119

■ 72, 60.848, 31.119

■ 0, 60.848, 31.119

■ 82, 60.848, 31.119

■ 92, 60.848, 31.119

■ 32, 60.848, 31.119

■ 32, 60.848, 31.119

■ 31, 66.288, 35.245

■ 34, 54.596, 26.932

31, 66.997, 35.695

36, 47.711, 23.328

39, 40.421, 20.405

42, 32.972, 18.091

46, 25.587, 16.268

50, 18.438, 14.819

54, 11.631, 13.649

59, 5.215, 12.661

63, 0.799, 192.514

Harmonies

Complementary

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



32, 60.848, 31.119



56, 35.502, 185.034

Rectangle

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



32, 60.848, 31.119



32, 60.848, 81.119



32, 60.848, 211.119



32, 60.848, 261.119

Sweetspot

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



32, 60.846, 31.121



65, 21.457, 14.680



34, 75.771, 324.587



32, 14.708, 15.086



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



32, 60.846, 31.121



41, 82.172, 36.579



40, 53.925, 55.427



30, 3.457, 12.719



28, 63.196, 35.353



1, 3.630, 12.180

Inverse Universe

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



32, 60.846, 31.121



41, 82.172, 36.579



40, 35.679, 266.172



30, 3.457, 12.719



28, 63.196, 35.353



1, 3.630, 12.180

Previews

White Background



This preview shows how the CIELCh color 32, 60.848, 31.119 looks on a white background.

Color Contrast Check

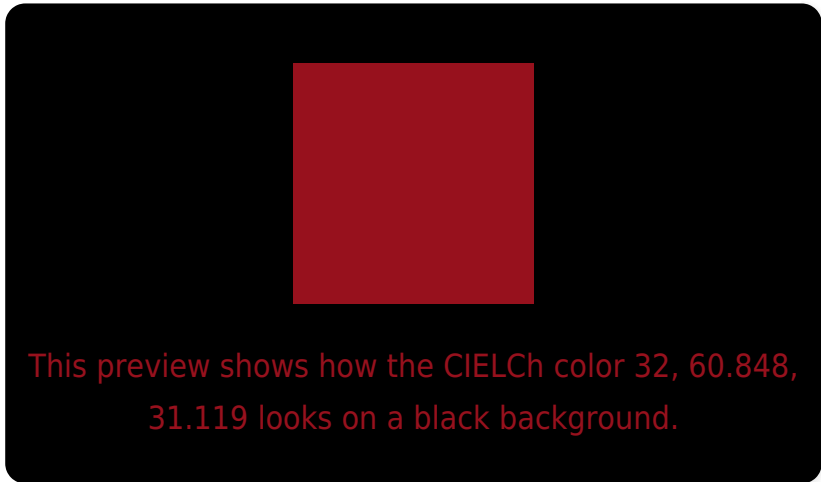
Large Text (above 18pt) WCAG AA ✓ Pass

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 32, 60.848, 31.119

Background



This preview shows how black text looks on a background with the CIELCh color 32, 60.848, 31.119.



This preview shows how white text looks on a background with the CIELCh color 32, 60.848, 31.119.

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

32, 60.848, 31.119

Protanopia

33, 20.830, 95.483

Deuteranopia

33, 35.466, 83.171



Tritanopia
32, 63.836, 36.779

Trichromacy



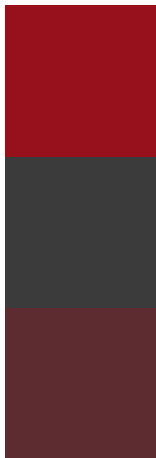
Original Color
32, 60.848, 31.119

Protanomaly
30, 30.442, 42.814

Deuteranomaly
30, 41.319, 51.175

Tritanomaly
32, 62.844, 35.057

Monochromacy



Original Color
32, 60.848, 31.119

Achromatopsia
25, 0.004, 296.813

Achromatomaly
25, 23.596, 18.676

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 60.848, 31.119 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(151, 17, 29)` looks like.

```
.text, #text, p{  
    color:rgb(151, 17, 29)  
}
```

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(151, 17, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 17, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 60.848, 31.119 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(151, 17, 29) }
```

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

```
.border{ border-color:rgb(151, 17, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 17, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 17, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 17, 29);  
box-shadow:4px 4px 4px 4px rgb(151, 17,  
29) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 60.848, 31.119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 17, 29) }
```

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

```
.background{ background-color: rgb(151, 17,  
29) }
```

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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