

Converting Colors

CIELCh(32, 57.246, 33.289)

Have a look what the booklet for
CIELCh(32, 57.246, 33.289) contains.

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Color

CIELCh(32, 57.027, 32.960)

Conversions

Conversions Part 1

Format	Color
Hex	921C1D
RGB	146, 28, 29
RGB Percent	57%, 11%, 11%
CMY	0.4260, 0.8886, 0.8853
CMYK	0.00, 0.81, 0.80, 0.43
HSL	360°, 67%, 34%
HSV	360°, 81%, 57%
XYZ	12.5703, 7.0852, 1.8844
YIQ	63.3960, 70.0070, 25.3270

Conversions

Conversions Part 2

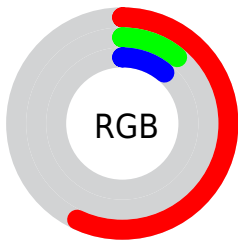
Format	Color
RYB	146, 28, 29
Decimal	9575453
CIELab	32.00, 47.85, 31.03
CIELCh	32, 57.027, 32.960
Yxy	7.0852, 0.5836, 0.3289
Android (android.graphics.Color)	4287765533 (0xFF921C1D)
YUV	63.3960, -16.9572, 72.4437
Hunter-Lab	26.6180, 37.7150, 14.4352

Details

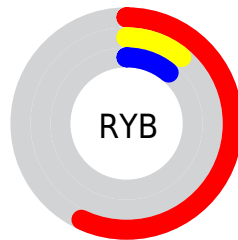
The CIELCh color **32, 57.027, 32.960** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **55, 31.496, 195.631**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 57.328, 33.139**, and **16, 43.930, 33.595** is the 20% darker color. If you saturate the color by 10%, you get **31, 63.475, 36.491**, and if you desaturate by 10%, it is **34, 49.693, 29.584**.

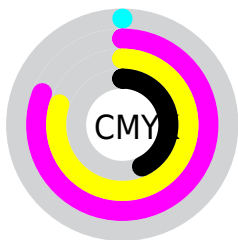
Distribution



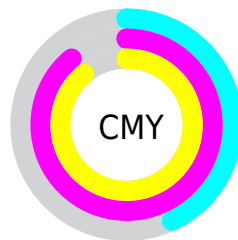
- Red (57%)
- Green (11%)
- Blue (11%)



- Red (57%)
- Yellow (11%)
- Blue (11%)



- Cyan (0%)
- Magenta (81%)
- Yellow (80%)
- Black (43%)



- Cyan (43%)
- Magenta (89%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 57.027, 32.960 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, 57.027, 32.960 by changing the saturation by 10% instead.

■ 32, 57.027, 32.960

■ 32, 57.027, 32.960

■ 100, 57.027,
32.960

■ 22, 57.027, 32.960

■ 52, 57.027, 32.960

■ 12, 57.027, 32.960

■ 62, 57.027, 32.960

■ 2, 57.027, 32.960

■ 72, 57.027, 32.960

■ 0, 57.027, 32.960

■ 82, 57.027, 32.960

■ 92, 57.027, 32.960

■ 32, 57.027, 32.960

■ 32, 57.027, 32.960

■ 31, 63.475, 36.491

■ 34, 49.693, 29.584

30, 68.196, 39.021

37, 41.999, 26.736

40, 34.251, 24.467

44, 26.675, 22.702

48, 19.430, 21.337

52, 12.607, 20.275

56, 6.242, 19.422

60, 0.333, 17.536

65, 5.146, 198.424

Harmonies

Complementary

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



32, 57.027, 32.960



55, 31.496, 195.631

Rectangle

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



32, 57.027, 32.960



32, 57.027, 82.960



32, 57.027, 212.960



32, 57.027, 262.960

Sweetspot

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



32, 57.025, 32.962



65, 18.549, 20.661



36, 70.772, 327.415



32, 12.997, 21.010



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



32, 57.025, 32.962



40, 82.226, 38.899



42, 46.723, 63.665



29, 3.342, 19.314



28, 64.891, 38.648



1, 2.829, 18.810

Inverse Universe

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



32, 57.025, 32.962



40, 82.226, 38.899



37, 36.883, 273.082



29, 3.342, 19.314



28, 64.891, 38.648



1, 2.829, 18.810

Previews

White Background



This preview shows how the CIELCh color 32, 57.027, 32.960 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 CIELCh color 32, 57.027, 32.960 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 32, 57.027, 32.960

Background



This preview shows how black text looks on a background with the CIELCh color 32, 57.027, 32.960.



This preview shows how white text looks on a background with the CIELCh color 32, 57.027, 32.960.

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, 57.027, 32.960

Protanopia

33, 21.414, 95.650

Deuteranopia

33, 34.629, 82.847



Tritanopia
32, 57.121, 33.729

Trichromacy



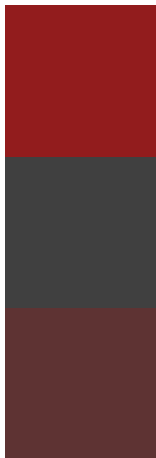
Original Color
32, 57.027, 32.960

Protanomaly
30, 29.081, 49.257

Deuteranomaly
31, 39.017, 54.180

Tritanomaly
32, 57.121, 33.729

Monochromacy



Original Color
32, 57.027, 32.960

Achromatopsia
27, 0.004, 296.813

Achromatomaly
27, 21.139, 23.711

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 57.027, 32.960 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(146, 28, 29)` looks like.

```
.text, #text, p{  
    color:rgb(146, 28, 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(146, 28, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 28, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 57.027, 32.960 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(146, 28, 29) }
```

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

```
.border{ border-color:rgb(146, 28, 29) }
```

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

Here you see how a box with a 4 pixel rgb(146, 28, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 28, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 28, 29);  
box-shadow:4px 4px 4px 4px rgb(146, 28,  
29) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 57.027, 32.960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 28, 29) }
```

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

```
.background{ background-color: rgb(146, 28,  
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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