

Converting Colors

CIELCh(32, 57.902, 49.000)

Have a look what the booklet for
CIELCh(32, 57.902, 49.000) contains.

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Color

CIELCh(32, 57.940, 48.961)

Conversions

Conversions Part 1

Format	Color
Hex	892C01
RGB	137, 44, 1
RGB Percent	54%, 17%, 0%
CMY	0.4637, 0.8283, 0.9968
CMYK	0.00, 0.68, 0.99, 0.46
HSL	19°, 99%, 27%
HSV	19°, 99%, 54%
XYZ	11.1737, 7.0852, 0.8019
YIQ	66.9050, 69.2310, 6.3430

Conversions

Conversions Part 2

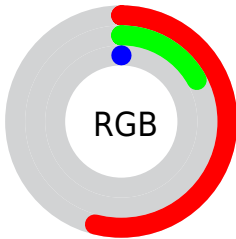
Format	Color
RYB	137, 64, 1
Decimal	8989697
CIELab	32.00, 38.04, 43.70
CIELCh	32, 57.940, 48.961
Yxy	7.0852, 0.5862, 0.3717
Android (android.graphics.Color)	4287179777 (0xFF892C01)
YUV	66.9050, -32.4912, 61.4733
Hunter-Lab	26.6180, 28.3497, 16.8463

Details

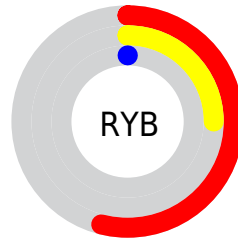
The CIELCh color **32, 57.940, 48.961** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **37, 31.122, 257.438**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 57.884, 48.704**, and **14, 40.336, 31.871** is the 20% darker color. If you saturate the color by 10%, you get **32, 58.293, 48.961**, and if you desaturate by 10%, it is **34, 52.069, 49.471**.

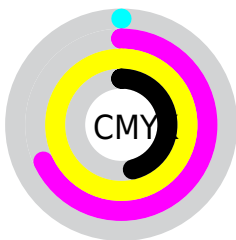
Distribution



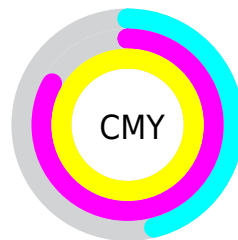
- Red (54%)
- Green (17%)
- Blue (0%)



- Red (54%)
- Yellow (25%)
- Blue (0%)



- Cyan (0%)
- Magenta (68%)
- Yellow (99%)
- Black (46%)



- Cyan (46%)
- Magenta (83%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 57.940, 48.961 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, 57.940, 48.961 by changing the saturation by 10% instead.

32, 57.940, 48.961

32, 57.940, 48.961

100, 57.940,
48.961

22, 57.940, 48.961

52, 57.940, 48.961

12, 57.940, 48.961

62, 57.940, 48.961

2, 57.940, 48.961

72, 57.940, 48.961

0, 57.940, 48.961

82, 57.940, 48.961

92, 57.940, 48.961

32, 57.940, 48.961

32, 57.940, 48.961

32, 58.293, 48.961

34, 52.069, 49.471

■ 36, 45.660, 49.930

■ 38, 38.905, 50.168

■ 40, 32.248, 50.403

■ 43, 25.888, 50.719

■ 46, 19.903, 51.134

■ 48, 14.312, 51.641

■ 51, 9.106, 52.219

■ 54, 4.258, 52.826

Harmonies

Complementary

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



32, 57.940, 48.961



37, 31.122, 257.438

Rectangle

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



32, 57.940, 48.961



32, 57.940, 98.961



32, 57.940, 228.961



32, 57.940, 278.961

Sweetspot

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



32, 57.938, 48.963



62, 18.234, 51.573



30, 58.283, 344.256



31, 12.559, 51.382



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



32, 57.938, 48.963



42, 71.651, 48.314



47, 53.738, 88.369



28, 2.566, 52.841



31, 56.846, 48.982



1, 1.158, 53.560

Inverse Universe

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



37, 31.122, 257.438



48, 38.425, 258.935



19, 71.659, 301.647



28, 2.453, 234.380



36, 30.506, 257.529



1, 1.158, 233.579

Previews

White Background



This preview shows how the CIELCh color 32, 57.940, 48.961 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 32, 57.940, 48.961 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, 57.940, 48.961

Background



This preview shows how black text looks on a background with the CIELCh color 32, 57.940, 48.961.



This preview shows how white text looks on a background with the CIELCh color 32, 57.940, 48.961.

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, 57.940, 48.961

Protanopia

33, 35.738, 96.235

Deuteranopia

32, 41.542, 84.992



Tritanopia
32, 46.803, 28.477

Trichromacy



Original Color
32, 57.940, 48.961

Protanomaly
31, 39.095, 71.538

Deuteranomaly
31, 45.004, 67.388

Tritanomaly
32, 50.821, 38.131

Monochromacy



Original Color
32, 57.940, 48.961

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 20.198, 51.687

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 57.940, 48.961 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(137, 44, 1)` looks like.

```
.text, #text, p{  
    color:rgb(137, 44, 1)  
}
```

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(137, 44, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 44, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 57.940, 48.961 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(137, 44, 1) }
```

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

```
.border{ border-color:rgb(137, 44, 1) }
```

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

Here you see how a box with a 4 pixel rgb(137, 44, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 44, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 44, 1);  
box-shadow:4px 4px 4px 4px rgb(137, 44, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 57.940, 48.961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 44, 1) }
```

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

```
.background{ background-color: rgb(137, 44,  
1) }
```

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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