

Converting Colors

CIELCh(38, 56.994, 57.672)

Have a look what the booklet for
CIELCh(38, 56.994, 57.672) contains.

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Color

CIELCh(38, 56.750, 57.901)

Conversions

Conversions Part 1

Format	Color
Hex	924301
RGB	146, 67, 1
RGB Percent	57%, 26%, 0%
CMY	0.4283, 0.7379, 0.9967
CMYK	0.00, 0.54, 0.99, 0.43
HSL	27°, 99%, 29%
HSV	27°, 99%, 57%
XYZ	13.8189, 10.0881, 1.2426
YIQ	83.0970, 68.2700, -3.7780

Conversions

Conversions Part 2

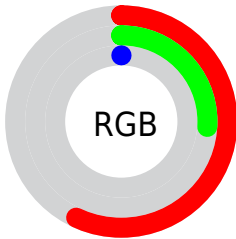
Format	Color
R_{YB}	146, 122, 1
Decimal	9585409
CIE _{Lab}	38.00, 30.16, 48.07
CIE _{LCh}	38, 56.750, 57.901
Yxy	10.0881, 0.5495, 0.4011
Android (android.graphics.Color)	4287775489 (0xFF924301)
YUV	83.0970, -40.4738, 55.1659
Hunter-Lab	31.7617, 22.0788, 19.9136

Details

The CIELCh color **38, 56.750, 57.901** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **34, 42.510, 278.106**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 56.577, 57.933**, and **18, 41.066, 41.859** is the 20% darker color. If you saturate the color by 10%, you get **38, 57.064, 57.833**, and if you desaturate by 10%, it is **40, 51.780, 59.749**.

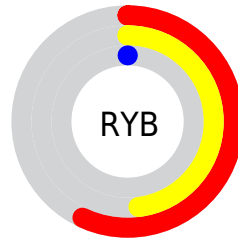
Distribution



Red (57%)

Green (26%)

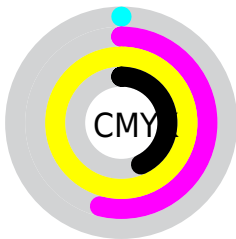
Blue (0%)



Red (57%)

Yellow (48%)

Blue (0%)

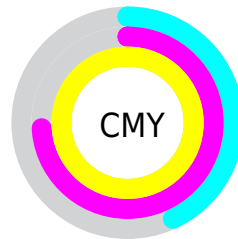


Cyan (0%)

Magenta (54%)

Yellow (99%)

Black (43%)



Cyan (43%)

Magenta (74%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 56.750, 57.901 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 38, 56.750, 57.901 by changing the saturation by 10% instead.

38, 56.750, 57.901

38, 56.750, 57.901

100, 56.750,
57.901

28, 56.750, 57.901

58, 56.750, 57.901

18, 56.750, 57.901

68, 56.750, 57.901

8, 56.750, 57.901

78, 56.750, 57.901

0, 56.750, 57.901

88, 56.750, 57.901

98, 56.750, 57.901

38, 56.750, 57.901

38, 56.750, 57.901

38, 57.064, 57.833

40, 51.780, 59.749

■ 42, 46.074, 61.361

■ 44, 39.762, 62.636

■ 46, 33.336, 63.781

■ 48, 27.048, 64.887

■ 51, 21.010, 65.993

■ 53, 15.263, 67.107

■ 56, 9.809, 68.221

■ 58, 4.636, 69.310

Harmonies

Complementary

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



38, 56.750, 57.901



34, 42.510, 278.106

Rectangle

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



38, 56.750, 57.901



38, 56.750, 107.901



38, 56.750, 237.901



38, 56.750, 287.901

Sweetspot

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



38, 56.748, 57.903



67, 19.263, 66.975



31, 56.608, 356.407



34, 13.234, 66.558



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



38, 56.748, 57.903



49, 69.383, 57.002



57, 61.513, 99.677



30, 2.808, 69.333



36, 54.670, 58.045



2, 2.409, 70.425

Inverse Universe

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



34, 42.510, 278.106



43, 52.674, 279.400



17, 85.419, 305.429



30, 2.733, 251.606



31, 40.812, 278.071



1, 2.409, 250.439

Previews

White Background



This preview shows how the CIELCh color 38, 56.750, 57.901 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 × Fail

Black Background



This preview shows how the CIELCh color 38, 56.750, 57.901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 38, 56.750, 57.901

Background



This preview shows how black text looks on a background with the CIELCh color 38, 56.750, 57.901.



This preview shows how white text looks on a background with the CIELCh color 38, 56.750, 57.901.

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

38, 56.750, 57.901

Protanopia

38, 42.332, 95.837

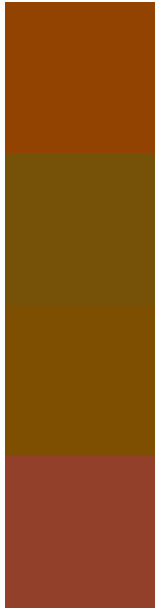
Deuteranopia

38, 46.511, 84.746



Tritanopia
38, 39.859, 23.341

Trichromacy



Original Color
38, 56.750, 57.901

Protanomaly
38, 44.293, 78.472

Deuteranomaly
38, 48.936, 73.022

Tritanomaly
38, 45.025, 41.989

Monochromacy



Original Color
38, 56.750, 57.901

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 21.000, 64.744

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 56.750, 57.901 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, 67, 1)` looks like.

```
.text, #text, p{  
    color:rgb(146, 67, 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(146, 67, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 67, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 56.750, 57.901 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, 67, 1) }
```

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

```
.border{ border-color:rgb(146, 67, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 67, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 67, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 67, 1);  
box-shadow:4px 4px 4px 4px rgb(146, 67, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 56.750, 57.901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 67, 1) }
```

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

```
.background{ background-color: rgb(146, 67,  
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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