

Converting Colors

CIELCh(38, 40.430, 9.937)

Have a look what the booklet for
CIELCh(38, 40.430, 9.937) contains.

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Color

CIELCh(38, 40.389, 9.838)

Conversions

Conversions Part 1

Format	Color
Hex	953B50
RGB	149, 59, 80
RGB Percent	58%, 23%, 31%
CMY	0.4159, 0.7688, 0.6864
CMYK	0.00, 0.60, 0.46, 0.42
HSL	346°, 43%, 41%
HSV	346°, 60%, 58%
XYZ	15.3952, 10.0881, 8.7182
YIQ	88.3040, 46.8990, 25.6110

Conversions

Conversions Part 2

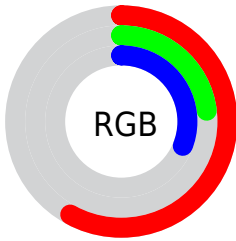
Format	Color
R_{YB}	149, 59, 80
Decimal	9780048
CIE Lab	38.00, 39.80, 6.90
CIE LCh	38, 40.389, 9.838
Yxy	10.0881, 0.4501, 0.2950
Android (android.graphics.Color)	4287970128 (0xFF953B50)
YUV	88.3040, -4.0939, 53.2304
Hunter-Lab	31.7617, 30.9376, 5.9587

Details

The CIELCh color **38, 40.389, 9.838** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **56, 32.175, 174.400**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 40.377, 9.619**, and **18, 40.488, 9.755** is the 20% darker color. If you saturate the color by 10%, you get **35, 46.560, 12.803**, and if you desaturate by 10%, it is **41, 33.704, 7.485**.

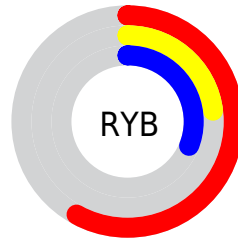
Distribution



Red (58%)

Green (23%)

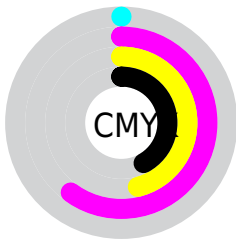
Blue (31%)



Red (58%)

Yellow (23%)

Blue (31%)

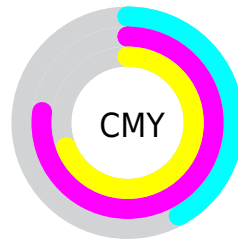


Cyan (0%)

Magenta (60%)

Yellow (46%)

Black (42%)



Cyan (42%)


Magenta (77%)

Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 40.389, 9.838 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, 40.389, 9.838 by changing the saturation by 10% instead.

 38, 40.389, 9.838  38, 40.389, 9.838

 100, 40.389, 9.838  28, 40.389, 9.838


 58, 40.389, 9.838  18, 40.389, 9.838

 68, 40.389, 9.838  8, 40.389, 9.838

 78, 40.389, 9.838  0, 40.389, 9.838

 88, 40.389, 9.838

 98, 40.389, 9.838

 38, 40.389, 9.838  38, 40.389, 9.838

 35, 46.560, 12.803  41, 33.704, 7.485

 33, 51.977, 16.521  45, 26.781, 5.595

32, 56.525, 21.071

49, 19.846, 4.051

31, 60.459, 25.796

53, 13.058, 2.763

57, 6.511, 1.650

62, 0.256, 359.211

66, 5.693, 180.040

70, 11.341,
179.286

75, 16.702,
178.633

Harmonies

Complementary

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



38, 40.389, 9.838



56, 32.175, 174.400

Rectangle

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



38, 40.389, 9.838



38, 40.389, 59.838



38, 40.389, 189.838



38, 40.389, 239.838

Sweetspot

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



38, 40.387, 9.840



69, 14.205, 2.523



37, 57.555, 319.624



34, 9.900, 2.836



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



38, 40.387, 9.840



45, 58.667, 13.851



42, 36.353, 44.518



29, 3.501, 1.521



28, 56.917, 25.355



1, 2.999, 0.739

Inverse Universe

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



38, 40.387, 9.840



45, 58.667, 13.851



50, 23.476, 232.239



29, 3.501, 1.521



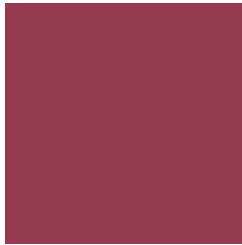
28, 56.917, 25.355



1, 2.999, 0.739

Previews

White Background



This preview shows how the CIELCh color 38, 40.389, 9.838 looks on a white background.

Color Contrast Check

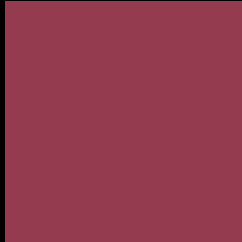
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 38, 40.389, 9.838 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

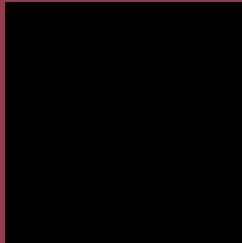
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 38, 40.389, 9.838

Background



This preview shows how black text looks on a background with the CIELCh color 38, 40.389, 9.838.



This preview shows how white text looks on a background with the CIELCh color 38, 40.389, 9.838.

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, 40.389, 9.838

Protanopia

38, 4.301, 290.862

Deuteranopia

38, 10.322, 60.522



Tritanopia
38, 39.859, 23.341

Trichromacy



Original Color
38, 40.389, 9.838

Protanomaly
37, 15.565, 353.796

Deuteranomaly
38, 19.686, 22.453

Tritanomaly
38, 39.592, 18.466

Monochromacy



Original Color
38, 40.389, 9.838

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 15.272, 3.201

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 40.389, 9.838 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(149, 59, 80)` looks like.

```
.text, #text, p{  
    color:rgb(149, 59, 80)  
}
```

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(149, 59, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 59, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 40.389, 9.838 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(149, 59, 80) }
```

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

```
.border{ border-color:rgb(149, 59, 80) }
```

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

Here you see how a box with a 4 pixel rgb(149, 59, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 59, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 59, 80);  
box-shadow:4px 4px 4px 4px rgb(149, 59,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 40.389, 9.838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 59, 80) }
```

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

```
.background{ background-color: rgb(149, 59,  
80) }
```

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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