

Converting Colors

CIELCh(38, 48.859, 0.812)

Have a look what the booklet for
CIELCh(38, 48.859, 0.812) contains.

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Color

CIELCh(38, 48.723, 0.970)

Conversions

Conversions Part 1

Format	Color
Hex	9E305A
RGB	158, 48, 90
RGB Percent	62%, 19%, 35%
CMY	0.3811, 0.8124, 0.6476
CMYK	0.00, 0.70, 0.43, 0.38
HSL	337°, 53%, 40%
HSV	337°, 70%, 62%
XYZ	16.9569, 10.0881, 10.6948
YIQ	85.6780, 52.0780, 36.3820

Conversions

Conversions Part 2

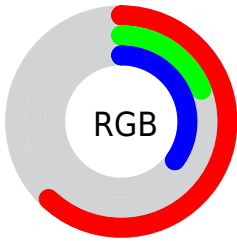
Format	Color
RYB	158, 48, 90
Decimal	10367066
CIELab	38.00, 48.72, 0.82
CIElCh	38, 48.723, 0.970
Yxy	10.0881, 0.4493, 0.2673
Android (android.graphics.Color)	4288557146 (0xFF9E305A)
YUV	85.6780, 2.1307, 63.4264
Hunter-Lab	31.7617, 39.7144, 2.2690

Details

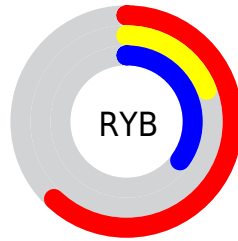
The CIELCh color **38, 48.723, 0.970** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **58, 43.105, 162.216**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 48.608, 0.834**, and **20, 43.107, 4.735** is the 20% darker color. If you saturate the color by 10%, you get **36, 53.449, 4.069**, and if you desaturate by 10%, it is **41, 42.833, 358.516**.

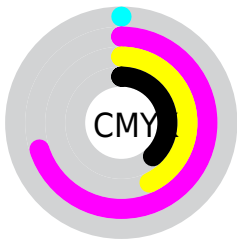
Distribution



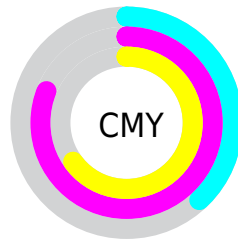
- Red (62%)
- Green (19%)
- Blue (35%)



- Red (62%)
- Yellow (19%)
- Blue (35%)



- Cyan (0%)
- Magenta (70%)
- Yellow (43%)
- Black (38%)




- Cyan (38%)
- Magenta (81%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 48.723, 0.970 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, 48.723, 0.970 by changing the saturation by 10% instead.

 38, 48.723, 0.970  38, 48.723, 0.970

 100, 48.723, 0.970  28, 48.723, 0.970

 58, 48.723, 0.970  18, 48.723, 0.970



 68, 48.723, 0.970  8, 48.723, 0.970

 78, 48.723, 0.970  0, 48.723, 0.970

 88, 48.723, 0.970

 98, 48.723, 0.970

 38, 48.723, 0.970  38, 48.723, 0.970

 36, 53.449, 4.069  41, 42.833,
358.516

 34, 56.838, 7.973

■ 33, 59.297, 12.559

■ 44, 36.114,
356.542

■ 33, 59.379, 12.700

■ 48, 28.907,
354.922

■ 52, 21.499,
353.562

■ 56, 14.096,
352.392

■ 61, 6.834, 351.351

■ 65, 0.211, 172.296

■ 70, 6.998, 169.761

■ 74, 13.517,
169.009

Harmonies

Complementary

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



38, 48.723, 0.970



58, 43.105, 162.216

Rectangle

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



38, 48.723, 0.970



38, 48.723, 50.970



38, 48.723, 180.970



38, 48.723, 230.970

Sweetspot

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



38, 48.720, 0.971



71, 18.571, 352.581



35, 67.921, 315.734



35, 12.580, 352.869



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



38, 48.720, 0.971



45, 67.270, 6.262



39, 48.909, 35.866



31, 3.991, 351.307



30, 55.128, 12.196



1, 5.084, 351.785

Inverse Universe

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



38, 48.720, 0.971



45, 67.270, 6.262



55, 27.802, 212.588



31, 3.991, 351.307



30, 55.128, 12.196



1, 5.084, 351.785

Previews

White Background



This preview shows how the CIELCh color 38, 48.723, 0.970 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, 48.723, 0.970 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, 48.723, 0.970

Background



This preview shows how black text looks on a background with the CIELCh color 38, 48.723, 0.970.

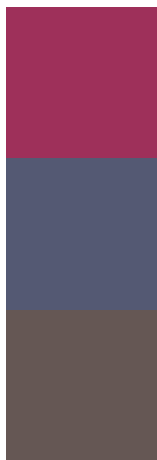


This preview shows how white text looks on a background with the CIELCh color 38, 48.723, 0.970.

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, 48.723, 0.970

Protanopia

38, 16.036, 286.028

Deuteranopia

38, 6.440, 36.662



Tritanopia
38, 47.179, 26.397

Trichromacy



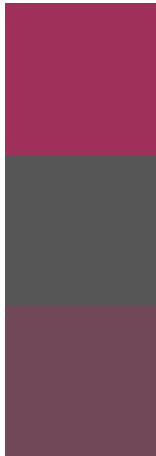
Original Color
38, 48.723, 0.970

Protanomaly
37, 24.623, 330.261

Deuteranomaly
37, 22.739, 3.064

Tritanomaly
38, 46.800, 16.601

Monochromacy



Original Color
38, 48.723, 0.970

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 19.535, 354.663

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 48.723, 0.970 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(158, 48, 90)` looks like.

```
.text, #text, p{  
    color:rgb(158, 48, 90)  
}
```

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(158, 48, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 48, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 48.723, 0.970 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(158, 48, 90) }
```

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

```
.border{ border-color:rgb(158, 48, 90) }
```

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

Here you see how a box with a 4 pixel rgb(158, 48, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 48, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 48, 90);  
box-shadow:4px 4px 4px 4px rgb(158, 48,  
90) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 48.723, 0.970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 48, 90) }
```

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

```
.background{ background-color: rgb(158, 48,  
90) }
```

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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