

Converting Colors

CIELCh(38, 41.188, 13.970)

Have a look what the booklet for
CIELCh(38, 41.188, 13.970) contains.

CIELCh(38, 40.925, 14.355)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(38, 40.925, 14.355)

Conversions

Conversions Part 1

Format	Color
Hex	963B4B
RGB	150, 59, 75
RGB Percent	59%, 23%, 29%
CMY	0.4124, 0.7692, 0.7064
CMYK	0.00, 0.61, 0.50, 0.41
HSL	349°, 44%, 41%
HSV	349°, 61%, 59%
XYZ	15.3701, 10.0881, 7.7701
YIQ	88.0330, 49.1000, 24.2680

Conversions

Conversions Part 2

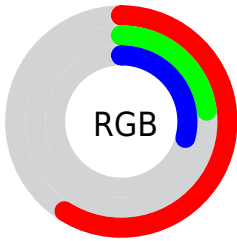
Format	Color
R _Y B	150, 59, 75
Decimal	9845579
CIE Lab	38.00, 39.65, 10.15
CIE LCh	38, 40.925, 14.355
Yxy	10.0881, 0.4626, 0.3036
Android (android.graphics.Color)	4288035659 (0xFF963B4B)
YUV	88.0330, -6.4253, 54.3451
Hunter-Lab	31.7617, 30.7969, 7.7286

Details

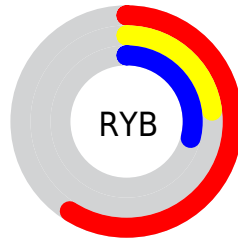
The CIELCh color **38, 40.925, 14.355** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **56, 30.925, 179.234**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 41.168, 13.921**, and **18, 40.877, 14.601** is the 20% darker color. If you saturate the color by 10%, you get **35, 47.460, 17.431**, and if you desaturate by 10%, it is **41, 33.990, 11.918**.

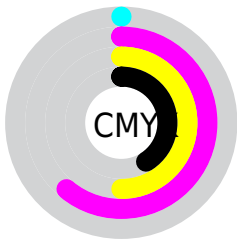
Distribution



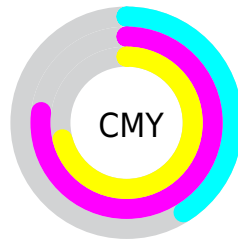
- Red (59%)
- Green (23%)
- Blue (29%)



- Red (59%)
- Yellow (23%)
- Blue (29%)



- Cyan (0%)
- Magenta (61%)
- Yellow (50%)
- Black (41%)



- Cyan (41%)
- Magenta (77%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 40.925, 14.355 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, 40.925, 14.355 by changing the saturation by 10% instead.

■ 38, 40.925, 14.355

■ 38, 40.925, 14.355

■ 100, 40.925,
14.355

■ 28, 40.925, 14.355

■ 58, 40.925, 14.355

■ 18, 40.925, 14.355

■ 68, 40.925, 14.355

■ 8, 40.925, 14.355

■ 78, 40.925, 14.355

■ 0, 40.925, 14.355

■ 88, 40.925, 14.355

■ 98, 40.925, 14.355

■ 38, 40.925, 14.355

■ 38, 40.925, 14.355

■ 35, 47.460, 17.431

■ 41, 33.990, 11.918

33, 53.372, 21.258

45, 26.914, 9.974

32, 58.536, 25.842

49, 19.905, 8.404

31, 62.947, 30.246

53, 13.107, 7.110

57, 6.604, 6.009

62, 0.433, 4.199

66, 5.400, 184.460

71, 10.906,
183.738

75, 16.107,
183.122

Harmonies

Complementary

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



38, 40.925, 14.355



56, 30.925, 179.234

Rectangle

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



38, 40.925, 14.355



38, 40.925, 64.355



38, 40.925, 194.355



38, 40.925, 244.355

Sweetspot

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



38, 40.923, 14.357



69, 13.960, 6.836



38, 58.426, 321.706



34, 9.739, 7.146



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, 40.923, 14.357



45, 60.164, 18.766



44, 35.729, 50.400



29, 3.430, 5.851



28, 58.952, 29.799



1, 2.929, 5.098

Inverse Universe

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



38, 40.923, 14.357



45, 60.164, 18.766



48, 24.271, 242.910



29, 3.430, 5.851



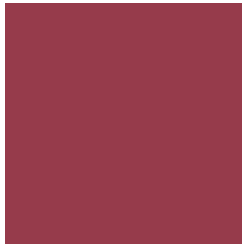
28, 58.952, 29.799



1, 2.929, 5.098

Previews

White Background



This preview shows how the CIELCh color 38, 40.925, 14.355 looks on a white background.

Color Contrast Check

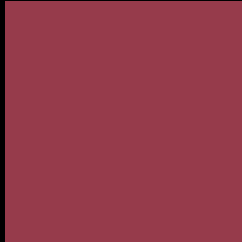
Large Text (above 18pt) WCAG AA ✓ Pass

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, 40.925, 14.355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

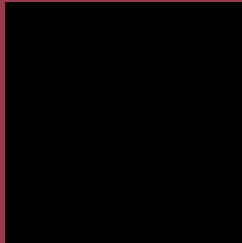
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 40.925, 14.355

Background



This preview shows how black text looks on a background with the CIELCh color 38, 40.925, 14.355.



This preview shows how white text looks on a background with the CIELCh color 38, 40.925, 14.355.

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, 40.925, 14.355

Protanopia

38, 1.053, 343.595

Deuteranopia

38, 13.282, 67.019



Tritanopia
38, 40.821, 23.666

Trichromacy



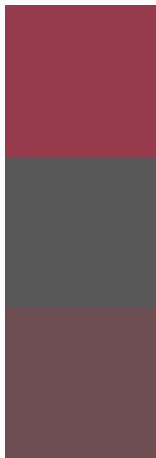
Original Color
38, 40.925, 14.355

Protanomaly
37, 15.423, 8.163

Deuteranomaly
38, 21.350, 30.611

Tritanomaly
38, 40.627, 19.761

Monochromacy



Original Color
38, 40.925, 14.355

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 15.050, 7.733

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 40.925, 14.355 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(150, 59, 75)` looks like.

```
.text, #text, p{  
    color:rgb(150, 59, 75)  
}
```

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(150, 59, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 59, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 40.925, 14.355 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(150, 59, 75) }
```

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

```
.border{ border-color:rgb(150, 59, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 59, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 59, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 59, 75);  
box-shadow:4px 4px 4px 4px rgb(150, 59,  
75) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 40.925, 14.355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 59, 75) }
```

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

```
.background{ background-color: rgb(150, 59,  
75) }
```

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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