

Converting Colors

CIELCh(38, 43.221, 31.386)

Have a look what the booklet for
CIELCh(38, 43.221, 31.386) contains.

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Color

CIELCh(38, 43.343, 31.423)

Conversions

Conversions Part 1

Format	Color
Hex	963D37
RGB	150, 61, 55
RGB Percent	59%, 24%, 22%
CMY	0.4120, 0.7609, 0.7845
CMYK	0.00, 0.59, 0.63, 0.41
HSL	4°, 46%, 40%
HSV	4°, 63%, 59%
XYZ	14.9241, 10.0881, 4.7704
YIQ	86.9270, 54.9700, 17.0020

Conversions

Conversions Part 2

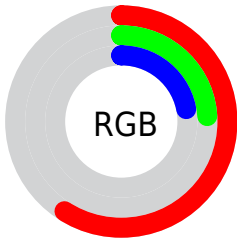
Format	Color
R_{YB}	150, 61, 55
Decimal	9846071
CIE _{Lab}	38.00, 36.99, 22.60
CIE _{LCh}	38, 43.343, 31.423
Yxy	10.0881, 0.5011, 0.3387
Android (android.graphics.Color)	4288036151 (0xFF963D37)
YUV	86.9270, -15.7400, 55.3150
Hunter-Lab	31.7617, 28.2902, 13.3282

Details

The CIELCh color **38, 43.343, 31.423** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **55, 26.560, 204.553**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 43.061, 31.550**, and **18, 43.647, 31.459** is the 20% darker color. If you saturate the color by 10%, you get **35, 51.270, 33.744**, and if you desaturate by 10%, it is **41, 35.467, 29.551**.

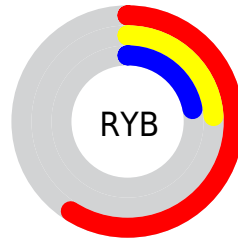
Distribution



Red (59%)

Green (24%)

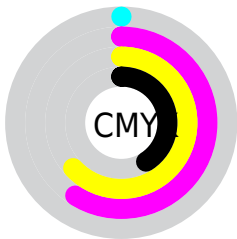
Blue (22%)



Red (59%)

Yellow (24%)

Blue (22%)

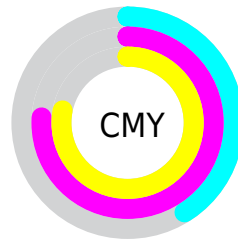


Cyan (0%)

Magenta (59%)

Yellow (63%)

Black (41%)



Cyan (41%)

Magenta (76%)

Yellow (78%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 43.343, 31.423 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, 43.343, 31.423 by changing the saturation by 10% instead.

 38, 43.343, 31.423

 38, 43.343, 31.423

 100, 43.343,
31.423

 28, 43.343, 31.423

 58, 43.343, 31.423

 18, 43.343, 31.423

 68, 43.343, 31.423

 8, 43.343, 31.423

 78, 43.343, 31.423

 0, 43.343, 31.423

 88, 43.343, 31.423

 98, 43.343, 31.423

 38, 43.343, 31.423

 38, 43.343, 31.423

 35, 51.270, 33.744

 41, 35.467, 29.551

■ 33, 58.889, 36.382

■ 45, 27.861, 28.096

■ 32, 65.444, 38.858

■ 48, 20.652, 26.991

■ 31, 68.940, 40.399

■ 52, 13.905, 26.158

■ 56, 7.639, 25.524

■ 61, 1.841, 24.894

■ 65, 3.520, 204.945

■ 69, 8.484, 204.642

■ 73, 13.092,
204.466

Harmonies

Complementary

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



38, 43.343, 31.423



55, 26.560, 204.553

Rectangle

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



38, 43.343, 31.423



38, 43.343, 81.423



38, 43.343, 211.423



38, 43.343, 261.423

Sweetspot

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



38, 43.341, 31.426



69, 13.731, 25.888



40, 59.701, 329.091



34, 9.520, 26.061



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, 43.341, 31.426



45, 65.880, 34.817



49, 37.221, 72.354



29, 3.145, 25.294



28, 64.266, 40.042



1, 2.659, 25.012

Inverse Universe

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



55, 26.560, 204.553



69, 35.443, 205.165



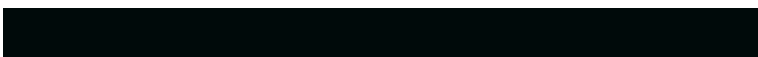
41, 33.119, 273.797



31, 2.969, 204.817



49, 29.261, 206.801



2, 2.659, 205.030

Previews

White Background



This preview shows how the CIELCh color 38, 43.343, 31.423 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, 43.343, 31.423 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, 43.343, 31.423

Background



This preview shows how black text looks on a background with the CIELCh color 38, 43.343, 31.423.



This preview shows how white text looks on a background with the CIELCh color 38, 43.343, 31.423.

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, 43.343, 31.423

Protanopia

38, 14.389, 94.867

Deuteranopia

38, 25.106, 78.470



Tritanopia
38, 41.781, 23.991

Trichromacy



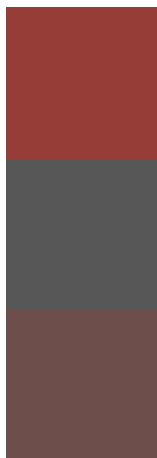
Original Color
38, 43.343, 31.423

Protanomaly
37, 20.666, 49.433

Deuteranomaly
38, 29.068, 52.935

Tritanomaly
38, 42.326, 26.344

Monochromacy



Original Color
38, 43.343, 31.423

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 14.851, 28.630

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 43.343, 31.423 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, 61, 55)` looks like.

```
.text, #text, p{  
    color:rgb(150, 61, 55)  
}
```

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, 61, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 61, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 43.343, 31.423 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, 61, 55) }
```

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

```
.border{ border-color:rgb(150, 61, 55) }
```

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

Here you see how a box with a 4 pixel rgb(150, 61, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 61, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 61, 55);  
box-shadow:4px 4px 4px 4px rgb(150, 61,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 43.343, 31.423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 61, 55) }
```

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

```
.background{ background-color: rgb(150, 61,  
55) }
```

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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