

Converting Colors

CIELCh(38, 50.013, 27.305)

Have a look what the booklet for
CIELCh(38, 50.013, 27.305) contains.

CIELCh(38, 50.013, 27.305)	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, 50.013, 27.305)

Conversions

Conversions Part 1

Format	Color
Hex	9F3437
RGB	159, 52, 55
RGB Percent	62%, 20%, 22%
CMY	0.3768, 0.7963, 0.7845
CMYK	0.00, 0.67, 0.65, 0.38
HSL	358°, 51%, 41%
HSV	358°, 67%, 62%
XYZ	16.1958, 10.0881, 4.7007
YIQ	84.3350, 62.8090, 23.6170

Conversions

Conversions Part 2

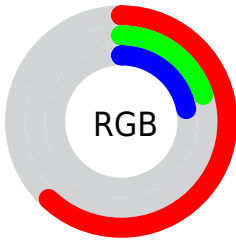
Format	Color
R_{YB}	159, 52, 55
Decimal	10433591
CIE _{Lab}	38.00, 44.44, 22.94
CIE _{LCh}	38, 50.013, 27.305
Yxy	10.0881, 0.5227, 0.3256
Android (android.graphics.Color)	4288623671 (0xFF9F3437)
YUV	84.3350, -14.4622, 65.4812
Hunter-Lab	31.7617, 35.4373, 13.4584

Details

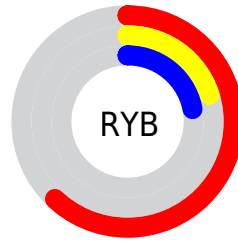
The CIELCh color **38, 50.013, 27.305** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **60, 31.208, 193.537**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 49.964, 27.432**, and **19, 47.681, 30.928** is the 20% darker color. If you saturate the color by 10%, you get **36, 57.810, 30.674**, and if you desaturate by 10%, it is **41, 41.908, 24.551**.

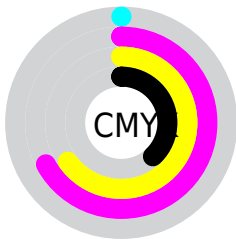
Distribution



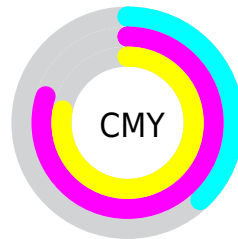
- Red (62%)
- Green (20%)
- Blue (22%)



- Red (62%)
- Yellow (20%)
- Blue (22%)



- Cyan (0%)
- Magenta (67%)
- Yellow (65%)
- Black (38%)



- Cyan (38%)
- Magenta (80%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 50.013, 27.305 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, 50.013, 27.305 by changing the saturation by 10% instead.

■ 38, 50.013, 27.305

■ 38, 50.013, 27.305

■ 100, 50.013,
27.305

■ 28, 50.013, 27.305

■ 58, 50.013, 27.305

■ 18, 50.013, 27.305

■ 68, 50.013, 27.305

■ 8, 50.013, 27.305

■ 78, 50.013, 27.305

■ 0, 50.013, 27.305

■ 88, 50.013, 27.305

■ 98, 50.013, 27.305

■ 38, 50.013, 27.305

■ 38, 50.013, 27.305

■ 36, 57.810, 30.674

■ 41, 41.908, 24.551

34, 64.917, 34.442

45, 33.786, 22.377

33, 70.635, 37.837

49, 25.869, 20.687

33, 72.009, 38.549

53, 18.312, 19.369

57, 11.200, 18.329

62, 4.562, 17.459

67, 1.608, 197.201

71, 7.340, 196.451

76, 12.671,
195.993

Harmonies

Complementary

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



38, 50.013, 27.305



60, 31.208, 193.537

Rectangle

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



38, 50.013, 27.305



38, 50.013, 77.305



38, 50.013, 207.305



38, 50.013, 257.305

Sweetspot

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



38, 50.011, 27.308



72, 16.190, 18.624



41, 67.399, 326.589



36, 11.241, 18.894



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



38, 50.011, 27.308



45, 74.886, 32.622



48, 41.236, 63.895



31, 3.534, 17.623



29, 66.132, 38.041



1, 4.478, 17.187

Inverse Universe

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



38, 50.011, 27.308



45, 74.886, 32.622



44, 32.567, 266.205



31, 3.534, 17.623



29, 66.132, 38.041



1, 4.478, 17.187

Previews

White Background



This preview shows how the CIELCh color 38, 50.013, 27.305 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, 50.013, 27.305 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, 50.013, 27.305

Background



This preview shows how black text looks on a background with the CIELCh color 38, 50.013, 27.305.

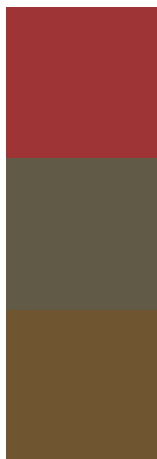


This preview shows how white text looks on a background with the CIELCh color 38, 50.013, 27.305.

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, 50.013, 27.305

Protanopia

38, 12.508, 95.487

Deuteranopia

38, 25.892, 77.989



Tritanopia
38, 50.013, 27.305

Trichromacy



Original Color
38, 50.013, 27.305

Protanomaly
37, 21.913, 39.890

Deuteranomaly
37, 31.170, 48.792

Tritanomaly
38, 50.013, 27.305

Monochromacy



Original Color
38, 50.013, 27.305

Achromatopsia
36, 0.005, 296.813

Achromatomaly
35, 17.960, 20.391

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 50.013, 27.305 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(159, 52, 55)` looks like.

```
.text, #text, p{  
    color:rgb(159, 52, 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(159, 52, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 52, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 50.013, 27.305 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(159, 52, 55) }
```

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

```
.border{ border-color:rgb(159, 52, 55) }
```

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

Here you see how a box with a 4 pixel rgb(159, 52, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 52, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 52, 55);  
box-shadow:4px 4px 4px 4px rgb(159, 52,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 50.013, 27.305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 52, 55) }
```

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

```
.background{ background-color: rgb(159, 52,  
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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