

Converting Colors

CIELCh(38, 55.883, 13.540)

Have a look what the booklet for
CIELCh(38, 55.883, 13.540) contains.

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Color

CIELCh(38, 55.825, 13.478)

Conversions

Conversions Part 1

Format	Color
Hex	A82447
RGB	168, 36, 71
RGB Percent	66%, 14%, 28%
CMY	0.3402, 0.8577, 0.7208
CMYK	0.00, 0.78, 0.58, 0.34
HSL	344°, 65%, 40%
HSV	344°, 78%, 66%
XYZ	17.9839, 10.0881, 6.9926
YIQ	79.4580, 67.4370, 38.8690

Conversions

Conversions Part 2

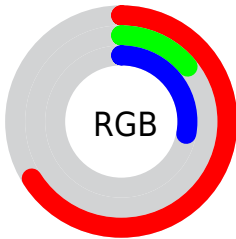
Format	Color
RYB	168, 36, 71
Decimal	11019335
CIELab	38.00, 54.29, 13.01
CIElCh	38, 55.825, 13.478
Yxy	10.0881, 0.5129, 0.2877
Android (android.graphics.Color)	4289209415 (0xFFA82447)
YUV	79.4580, -4.1698, 77.6513
Hunter-Lab	31.7617, 45.4861, 9.1799

Details

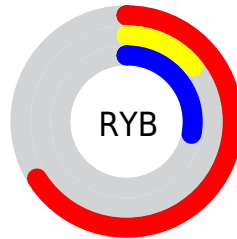
The CIELCh color **38, 55.825, 13.478** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **62, 43.603, 169.039**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 55.686, 13.495**, and **21, 47.084, 21.864** is the 20% darker color. If you saturate the color by 10%, you get **36, 60.608, 17.908**, and if you desaturate by 10%, it is **40, 49.979, 9.913**.

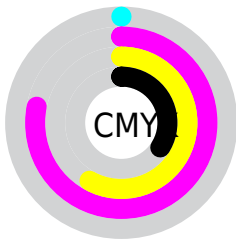
Distribution



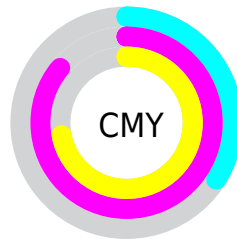
- Red (66%)
- Green (14%)
- Blue (28%)



- Red (66%)
- Yellow (14%)
- Blue (28%)



- Cyan (0%)
- Magenta (78%)
- Yellow (58%)
- Black (34%)



- Cyan (34%)
- Magenta (86%)
- Yellow (72%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 55.825, 13.478 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, 55.825, 13.478 by changing the saturation by 10% instead.

 38, 55.825, 13.478

 38, 55.825, 13.478

 100, 55.825,
13.478

 28, 55.825, 13.478

 58, 55.825, 13.478

 18, 55.825, 13.478

 68, 55.825, 13.478

 8, 55.825, 13.478

 78, 55.825, 13.478

 0, 55.825, 13.478

 88, 55.825, 13.478

 98, 55.825, 13.478

 38, 55.825, 13.478

 38, 55.825, 13.478

 36, 60.608, 17.908

 40, 49.979, 9.913

35, 64.585, 23.032

44, 43.237, 7.086

35, 65.237, 23.807

47, 35.898, 4.838

51, 28.275, 3.026

56, 20.624, 1.536

60, 13.122, 0.281

65, 5.875, 359.181

70, 1.063, 178.740

75, 7.676, 177.582

Harmonies

Complementary

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



38, 55.825, 13.478



62, 43.603, 169.039

Rectangle

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



38, 55.825, 13.478



38, 55.825, 63.478



38, 55.825, 193.478



38, 55.825, 243.478

Sweetspot

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



38, 55.822, 13.480



74, 21.448, 1.011



36, 77.896, 319.259



37, 14.802, 1.458



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



38, 55.822, 13.480



47, 77.341, 21.667



42, 55.636, 44.149



33, 3.952, 359.272



30, 59.097, 23.141



1, 6.951, 1.163

Inverse Universe

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



38, 55.822, 13.480



47, 77.341, 21.667



53, 29.993, 234.323



33, 3.952, 359.272



30, 59.097, 23.141



1, 6.951, 1.163

Previews

White Background



This preview shows how the CIELCh color 38, 55.825, 13.478 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, 55.825, 13.478 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, 55.825, 13.478

Background



This preview shows how black text looks on a background with the CIELCh color 38, 55.825, 13.478.



This preview shows how white text looks on a background with the CIELCh color 38, 55.825, 13.478.

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, 55.825, 13.478

Protanopia

39, 4.327, 296.304

Deuteranopia

39, 16.881, 71.922



Tritanopia
38, 58.404, 30.984

Trichromacy



Original Color
38, 55.825, 13.478

Protanomaly
36, 23.656, 355.976

Deuteranomaly
37, 28.868, 26.530

Tritanomaly
38, 56.535, 24.906

Monochromacy



Original Color
38, 55.825, 13.478

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 22.698, 3.037

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 55.825, 13.478 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(168, 36, 71)` looks like.

```
.text, #text, p{  
    color:rgb(168, 36, 71)  
}
```

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(168, 36, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 36, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 55.825, 13.478 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(168, 36, 71) }
```

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

```
.border{ border-color:rgb(168, 36, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 36, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 36, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 36, 71);  
box-shadow:4px 4px 4px 4px rgb(168, 36,  
71) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 55.825, 13.478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 36, 71) }
```

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

```
.background{ background-color: rgb(168, 36,  
71) }
```

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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