

Converting Colors

CIELCh(38, 54.617, 13.255)

Have a look what the booklet for
CIELCh(38, 54.617, 13.255) contains.

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Color

CIELCh(38, 54.585, 13.311)

Conversions

Conversions Part 1

Format	Color
Hex	A72748
RGB	167, 39, 72
RGB Percent	65%, 15%, 28%
CMY	0.3461, 0.8481, 0.7184
CMYK	0.00, 0.77, 0.57, 0.35
HSL	345°, 62%, 40%
HSV	345°, 77%, 65%
XYZ	17.7651, 10.0881, 7.1095
YIQ	81.0340, 65.6950, 37.3990

Conversions

Conversions Part 2

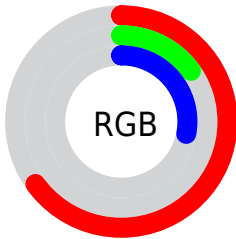
Format	Color
R_{YB}	167, 39, 72
Decimal	10954568
CIE _{Lab}	38.00, 53.12, 12.57
CIE _{LCh}	38, 54.585, 13.311
Yxy	10.0881, 0.5081, 0.2885
Android (android.graphics.Color)	4289144648 (0xFFA72748)
YUV	81.0340, -4.4538, 75.3922
Hunter-Lab	31.7617, 44.2563, 8.9618




Details

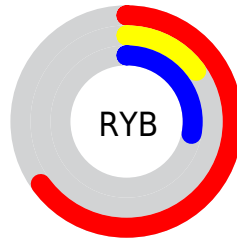
The CIELCh color **38, 54.585, 13.311** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **61, 42.465, 169.833**, and the grayscale version is **34, 0.005, 296.813**.




A 20% lighter version of the original color is **58, 54.498, 13.456**, and **21, 46.883, 21.078** is the 20% darker color. If you saturate the color by 10%, you get **36, 59.579, 17.604**, and if you desaturate by 10%, it is **41, 48.565, 9.867**.

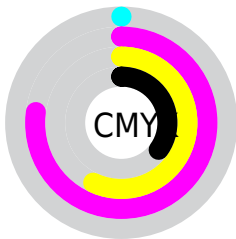
Distribution







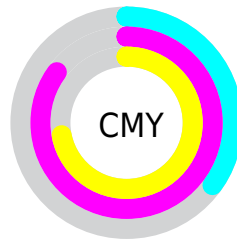
-  Red (65%)
-  Green (15%)
-  Blue (28%)






-  Red (65%)
-  Yellow (15%)
-  Blue (28%)



-  Cyan (0%)
-  Magenta (77%)
-  Yellow (57%)
-  Black (35%)



-  Cyan (35%)
-  Magenta (85%)
-  Yellow (72%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 54.585, 13.311 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, 54.585, 13.311 by changing the saturation by 10% instead.

 38, 54.585, 13.311

 38, 54.585, 13.311

 100, 54.585,
13.311

 28, 54.585, 13.311

 58, 54.585, 13.311

 18, 54.585, 13.311

 68, 54.585, 13.311

 8, 54.585, 13.311

 78, 54.585, 13.311

 0, 54.585, 13.311

 88, 54.585, 13.311

 98, 54.585, 13.311

 38, 54.585, 13.311

 38, 54.585, 13.311

 36, 59.579, 17.604

 41, 48.565, 9.867

35, 63.666, 22.682

44, 41.719, 7.137

35, 65.013, 24.293

47, 34.348, 4.964

52, 26.756, 3.207

56, 19.179, 1.759

60, 11.779, 0.535

65, 4.649, 359.445

70, 2.165, 178.838

75, 8.653, 177.899

Harmonies

Complementary

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



38, 54.585, 13.311



61, 42.465, 169.833

Rectangle

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



38, 54.585, 13.311



38, 54.585, 63.311



38, 54.585, 193.311



38, 54.585, 243.311

Sweetspot

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



38, 54.582, 13.313



73, 20.275, 1.328



36, 76.249, 319.273



37, 14.238, 1.778



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, 54.582, 13.313



46, 75.924, 21.072



42, 53.846, 44.047



33, 3.941, 359.718



30, 59.292, 23.670



1, 6.934, 1.561

Inverse Universe

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



38, 54.582, 13.313



46, 75.924, 21.072



53, 29.480, 233.797



33, 3.941, 359.718



30, 59.292, 23.670



1, 6.934, 1.561

Previews

White Background



This preview shows how the CIELCh color 38, 54.585, 13.311 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, 54.585, 13.311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

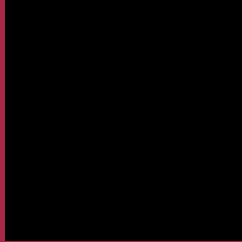
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 54.585, 13.311

Background



This preview shows how black text looks on a background with the CIELCh color 38, 54.585, 13.311.



This preview shows how white text looks on a background with the CIELCh color 38, 54.585, 13.311.

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, 54.585, 13.311

Protanopia

39, 4.327, 296.304

Deuteranopia

38, 16.074, 72.166



Tritanopia
38, 56.995, 30.500

Trichromacy



Original Color
38, 54.585, 13.311

Protanomaly
36, 23.042, 356.754

Deuteranomaly
37, 28.237, 25.311

Tritanomaly
38, 55.423, 24.790

Monochromacy



Original Color
38, 54.585, 13.311

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 21.663, 3.476

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 54.585, 13.311 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(167, 39, 72)` looks like.

```
.text, #text, p{  
    color:rgb(167, 39, 72)  
}
```

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(167, 39, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 39, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 54.585, 13.311 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(167, 39, 72) }
```

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

```
.border{ border-color:rgb(167, 39, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 39, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 39, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 39, 72);  
box-shadow:4px 4px 4px 4px rgb(167, 39,  
72) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 54.585, 13.311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 39, 72) }
```

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

```
.background{ background-color: rgb(167, 39,  
72) }
```

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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