

Converting Colors

CIELCh(38, 55.629, 40.252)

Have a look what the booklet for
CIELCh(38, 55.629, 40.252) contains.

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Color

CIELCh(38, 55.629, 40.252)

Conversions

Conversions Part 1

Format	Color
Hex	9F3621
RGB	159, 54, 33
RGB Percent	62%, 21%, 13%
CMY	0.3771, 0.7888, 0.8711
CMYK	0.00, 0.66, 0.79, 0.38
HSL	10°, 66%, 38%
HSV	10°, 79%, 62%
XYZ	15.8506, 10.0881, 2.5417
YIQ	83.0010, 69.3210, 15.7290

Conversions

Conversions Part 2

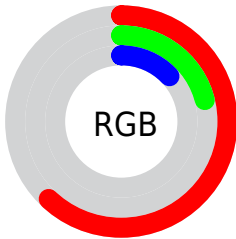
Format	Color
R_{YB}	159, 58, 33
Decimal	10434081
CIE _{Lab}	38.00, 42.46, 35.94
CIE _{LCh}	38, 55.629, 40.252
Yxy	10.0881, 0.5565, 0.3542
Android (android.graphics.Color)	4288624161 (0xFF9F3621)
YUV	83.0010, -24.6505, 66.6511
Hunter-Lab	31.7617, 33.4971, 17.4886

Details

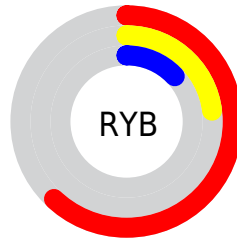
The CIELCh color **38, 55.629, 40.252** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **53, 28.805, 222.383**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 55.727, 40.227**, and **19, 49.640, 35.697** is the 20% darker color. If you saturate the color by 10%, you get **36, 63.293, 41.525**, and if you desaturate by 10%, it is **41, 47.434, 38.912**.

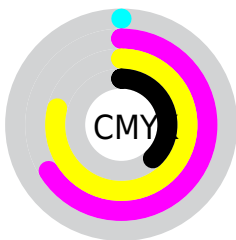
Distribution



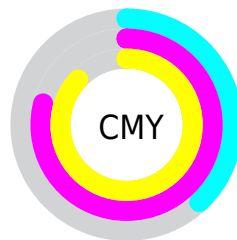
- Red (62%)
- Green (21%)
- Blue (13%)



- Red (62%)
- Yellow (23%)
- Blue (13%)



- Cyan (0%)
- Magenta (66%)
- Yellow (79%)
- Black (38%)



- Cyan (38%)
- Magenta (79%)
- Yellow (87%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 55.629, 40.252 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, 55.629, 40.252 by changing the saturation by 10% instead.

 38, 55.629, 40.252

 38, 55.629, 40.252

 100, 55.629,
40.252

 28, 55.629, 40.252

 58, 55.629, 40.252

 18, 55.629, 40.252

 68, 55.629, 40.252

 8, 55.629, 40.252

 78, 55.629, 40.252

 0, 55.629, 40.252

 88, 55.629, 40.252

 98, 55.629, 40.252

 38, 55.629, 40.252

 38, 55.629, 40.252

 36, 63.293, 41.525

 41, 47.434, 38.912

34, 69.782, 42.603

44, 39.298, 37.771

34, 70.224, 42.715

47, 31.488, 36.901

50, 24.128, 36.290

54, 17.269, 35.896

58, 10.917, 35.673

62, 5.050, 35.556

66, 0.367, 216.950

70, 5.376, 215.890

Harmonies

Complementary

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



38, 55.629, 40.252



53, 28.805, 222.383

Rectangle

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



38, 55.629, 40.252



38, 55.629, 90.252



38, 55.629, 220.252



38, 55.629, 270.252

Sweetspot

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



38, 55.627, 40.255



71, 17.174, 35.770



38, 67.457, 333.735



36, 12.059, 35.854



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, 55.627, 40.255



46, 82.646, 42.046



51, 50.027, 78.747



31, 3.058, 35.555



31, 64.424, 42.584



1, 3.890, 34.721

Inverse Universe

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



53, 28.805, 222.383



66, 36.874, 226.965



34, 51.249, 287.795



33, 2.887, 215.886



46, 28.273, 227.525



3, 3.799, 219.036

Previews

White Background



This preview shows how the CIELCh color 38, 55.629, 40.252 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, 55.629, 40.252 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, 55.629, 40.252

Background



This preview shows how black text looks on a background with the CIELCh color 38, 55.629, 40.252.



This preview shows how white text looks on a background with the CIELCh color 38, 55.629, 40.252.

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, 55.629, 40.252

Protanopia

38, 28.853, 96.737

Deuteranopia

38, 38.771, 82.553



Tritanopia
38, 50.950, 27.607

Trichromacy



Original Color
38, 55.629, 40.252

Protanomaly
37, 33.135, 63.737

Deuteranomaly
37, 41.802, 61.590

Tritanomaly
38, 52.669, 32.801

Monochromacy



Original Color
38, 55.629, 40.252

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 19.216, 35.039

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 55.629, 40.252 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, 54, 33)` looks like.

```
.text, #text, p{  
    color:rgb(159, 54, 33)  
}
```

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, 54, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 54, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 55.629, 40.252 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, 54, 33) }
```

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

```
.border{ border-color:rgb(159, 54, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 54, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 54, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 54, 33);  
box-shadow:4px 4px 4px 4px rgb(159, 54,  
33) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 55.629, 40.252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 54, 33) }
```

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

```
.background{ background-color: rgb(159, 54,  
33) }
```

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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