

Converting Colors

CIELCh(38, 53.471, 30.023)

Have a look what the booklet for
CIELCh(38, 53.471, 30.023) contains.

CIELCh(38, 53.535, 29.977)	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, 53.535, 29.977)

Conversions

Conversions Part 1

Format	Color
Hex	A23131
RGB	162, 49, 49
RGB Percent	64%, 19%, 19%
CMY	0.3650, 0.8080, 0.8080
CMYK	0.00, 0.70, 0.70, 0.36
HSL	360°, 54%, 41%
HSV	360°, 70%, 64%
XYZ	16.5370, 10.0881, 3.9763
YIQ	82.7870, 67.3480, 23.9560

Conversions

Conversions Part 2

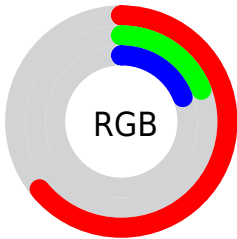
Format	Color
R _Y B	162, 49, 49
Decimal	10629425
CIE Lab	38.00, 46.37, 26.75
CIE LCh	38, 53.535, 29.977
Yxy	10.0881, 0.5404, 0.3297
Android (android.graphics.Color)	4288819505 (0xFFA23131)
YUV	82.7870, -16.6570, 69.4698
Hunter-Lab	31.7617, 37.3548, 14.8105

Details

The CIELCh color **38, 53.535, 29.977** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **61, 31.815, 196.693**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 53.527, 30.026**, and **20, 50.094, 34.552** is the 20% darker color. If you saturate the color by 10%, you get **36, 61.566, 33.338**, and if you desaturate by 10%, it is **41, 45.111, 27.147**.

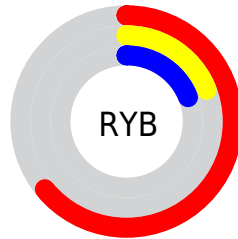
Distribution



Red (64%)

Green (19%)

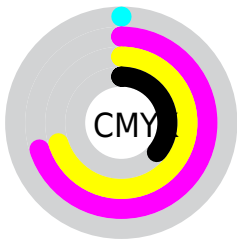
Blue (19%)



Red (64%)

Yellow (19%)

Blue (19%)

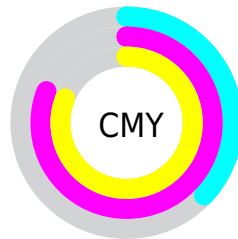


Cyan (0%)

Magenta (70%)

Yellow (70%)

Black (36%)



Cyan (37%)

Magenta (81%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 53.535, 29.977 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, 53.535, 29.977 by changing the saturation by 10% instead.

 38, 53.535, 29.977  38, 53.535, 29.977

 100, 53.535,
29.977  28, 53.535, 29.977

 58, 53.535, 29.977  18, 53.535, 29.977

 68, 53.535, 29.977  8, 53.535, 29.977

 78, 53.535, 29.977  0, 53.535, 29.977

 88, 53.535, 29.977

 98, 53.535, 29.977

 38, 53.535, 29.977  38, 53.535, 29.977

 36, 61.566, 33.338  41, 45.111, 27.147

34, 68.602, 36.812

45, 36.648, 24.896

33, 74.066, 39.689

49, 28.396, 23.152

33, 74.189, 39.749

53, 20.524, 21.810

57, 13.128, 20.771

62, 6.243, 19.938

67, 0.139, 202.792

72, 6.047, 198.985

76, 11.525,
198.560

Harmonies

Complementary

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



38, 53.535, 29.977



61, 31.815, 196.693

Rectangle

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



38, 53.535, 29.977



38, 53.535, 79.977



38, 53.535, 209.977



38, 53.535, 259.977

Sweetspot

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



38, 53.533, 29.980



73, 17.447, 20.923



42, 70.249, 327.191



37, 12.022, 21.181



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



38, 53.533, 29.980



46, 80.356, 35.400



49, 43.578, 65.130



32, 3.629, 19.899



30, 68.061, 39.262



1, 5.464, 19.401

Inverse Universe

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



38, 53.533, 29.980



46, 80.356, 35.400



44, 35.018, 269.096



32, 3.629, 19.899



30, 68.061, 39.262



1, 5.464, 19.401

Previews

White Background



This preview shows how the CIELCh color 38, 53.535, 29.977 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, 53.535, 29.977 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, 53.535, 29.977

Background



This preview shows how black text looks on a background with the CIELCh color 38, 53.535, 29.977.



This preview shows how white text looks on a background with the CIELCh color 38, 53.535, 29.977.

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, 53.535, 29.977

Protanopia

38, 16.265, 94.290

Deuteranopia

38, 29.789, 79.886



Tritanopia
38, 53.048, 28.808

Trichromacy



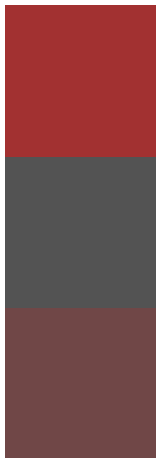
Original Color
38, 53.535, 29.977

Protanomaly
37, 24.942, 45.067

Deuteranomaly
37, 34.533, 51.438

Tritanomaly
38, 53.289, 29.396

Monochromacy



Original Color
38, 53.535, 29.977

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 19.035, 22.519

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 53.535, 29.977 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(162, 49, 49)` looks like.

```
.text, #text, p{  
    color:rgb(162, 49, 49)  
}
```

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(162, 49, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 49, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 53.535, 29.977 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(162, 49, 49) }
```

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

```
.border{ border-color:rgb(162, 49, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 49, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 49, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 49, 49);  
box-shadow:4px 4px 4px 4px rgb(162, 49,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 53.535, 29.977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 49, 49) }
```

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

```
.background{ background-color: rgb(162, 49,  
49) }
```

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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