

Converting Colors

CIELCh(38, 53.051, 29.315)

Have a look what the booklet for
CIELCh(38, 53.051, 29.315) contains.

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Color

CIELCh(38, 53.289, 29.396)

Conversions

Conversions Part 1

Format	Color
Hex	A23132
RGB	162, 49, 50
RGB Percent	64%, 19%, 20%
CMY	0.3651, 0.8082, 0.8042
CMYK	0.00, 0.70, 0.69, 0.37
HSL	359°, 54%, 41%
HSV	359°, 70%, 63%
XYZ	16.5467, 10.0881, 4.0838
YIQ	82.9010, 67.0270, 24.2670

Conversions

Conversions Part 2

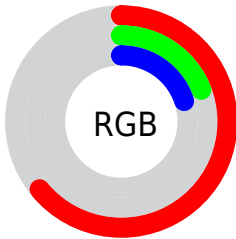
Format	Color
RYB	162, 49, 50
Decimal	10629426
CIELab	38.00, 46.43, 26.16
CIElCh	38, 53.289, 29.396
Yxy	10.0881, 0.5387, 0.3284
Android (android.graphics.Color)	4288819506 (0xFFA23132)
YUV	82.9010, -16.2202, 69.3698
Hunter-Lab	31.7617, 37.4092, 14.6099

Details

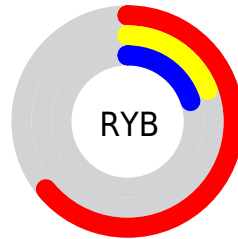
The CIELCh color **38, 53.289, 29.396** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **61, 31.953, 195.643**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 53.320, 29.475**, and **20, 49.890, 34.160** is the 20% darker color. If you saturate the color by 10%, you get **36, 61.241, 32.809**, and if you desaturate by 10%, it is **41, 44.944, 26.535**.

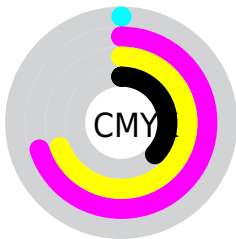
Distribution



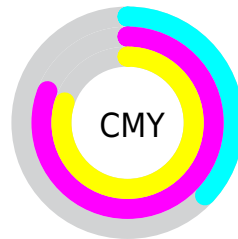
- Red (64%)
- Green (19%)
- Blue (20%)



- Red (64%)
- Yellow (19%)
- Blue (20%)



- Cyan (0%)
- Magenta (70%)
- Yellow (69%)
- Black (37%)



- Cyan (37%)
- Magenta (81%)
- Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 53.289, 29.396 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, 53.289, 29.396 by changing the saturation by 10% instead.

 38, 53.289, 29.396

 38, 53.289, 29.396

 100, 53.289,
29.396

 28, 53.289, 29.396

 58, 53.289, 29.396

 18, 53.289, 29.396

 68, 53.289, 29.396

 8, 53.289, 29.396

 78, 53.289, 29.396

 0, 53.289, 29.396

 88, 53.289, 29.396

 98, 53.289, 29.396

 38, 53.289, 29.396

 38, 53.289, 29.396

 36, 61.241, 32.809

 41, 44.944, 26.535

34, 68.249, 36.390

45, 36.547, 24.261

33, 73.703, 39.334

48, 28.342, 22.496

33, 73.815, 39.390

53, 20.503, 21.132

57, 13.127, 20.072

62, 6.252, 19.217

67, 0.128, 202.333

71, 6.040, 198.220

76, 11.526,
197.773

Harmonies

Complementary

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



38, 53.289, 29.396



61, 31.953, 195.643

Rectangle

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



38, 53.289, 29.396



38, 53.289, 79.396



38, 53.289, 209.396



38, 53.289, 259.396

Sweetspot

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



38, 53.287, 29.399



73, 17.431, 20.226



42, 70.245, 327.191



37, 12.009, 20.489



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, 53.287, 29.399



46, 79.928, 34.918



49, 43.580, 65.128



32, 3.629, 19.176



30, 67.747, 38.909



1, 5.465, 18.727

Inverse Universe

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



38, 53.287, 29.399



46, 79.928, 34.918



44, 35.018, 269.102



32, 3.629, 19.176



30, 67.747, 38.909



1, 5.465, 18.727

Previews

White Background



This preview shows how the CIELCh color 38, 53.289, 29.396 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, 53.289, 29.396 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, 53.289, 29.396

Background



This preview shows how black text looks on a background with the CIELCh color 38, 53.289, 29.396.

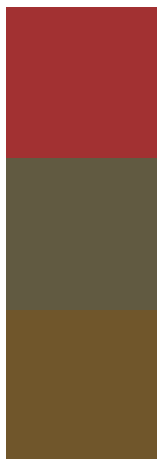


This preview shows how white text looks on a background with the CIELCh color 38, 53.289, 29.396.

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, 53.289, 29.396

Protanopia

38, 15.568, 95.600

Deuteranopia

38, 29.274, 79.540



Tritanopia
38, 53.048, 28.808

Trichromacy



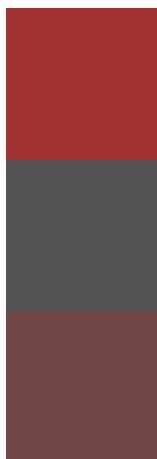
Original Color
38, 53.289, 29.396

Protanomaly
37, 24.606, 43.922

Deuteranomaly
37, 34.139, 50.748

Tritanomaly
38, 53.048, 28.808

Monochromacy



Original Color
38, 53.289, 29.396

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, 53.289, 29.396 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, 50)` looks like.

```
.text, #text, p{  
    color:rgb(162, 49, 50)  
}
```

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, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 49, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 53.289, 29.396 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, 50) }
```

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

```
.border{ border-color:rgb(162, 49, 50) }
```

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, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 49, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 49, 50);  
box-shadow:4px 4px 4px 4px rgb(162, 49,  
50) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 53.289, 29.396 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, 50) }
```

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

```
.background{ background-color: rgb(162, 49,  
50) }
```

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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