

Converting Colors

CIELCh(38, 60.971, 26.342)

Have a look what the booklet for
CIELCh(38, 60.971, 26.342) contains.

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Color

CIELCh(38, 61.167, 26.497)

Conversions

Conversions Part 1

Format	Color
Hex	AC2231
RGB	172, 34, 49
RGB Percent	67%, 13%, 19%
CMY	0.3265, 0.8678, 0.8086
CMYK	0.00, 0.80, 0.72, 0.33
HSL	353°, 67%, 40%
HSV	353°, 80%, 67%
XYZ	18.0694, 10.0881, 3.8799
YIQ	76.9720, 77.4330, 33.9210

Conversions

Conversions Part 2

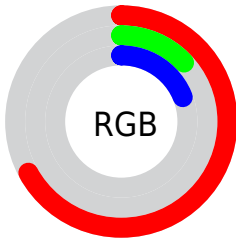
Format	Color
RYB	172, 34, 49
Decimal	11280945
CIELab	38.00, 54.74, 27.29
CIElCh	38, 61.167, 26.497
Yxy	10.0881, 0.5640, 0.3149
Android (android.graphics.Color)	4289471025 (0xFFAC2231)
YUV	76.9720, -13.7902, 83.3396
Hunter-Lab	31.7617, 45.9668, 14.9905

Details

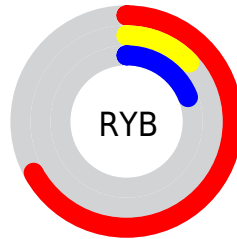
The CIELCh color **38, 61.167, 26.497** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **63, 38.427, 183.437**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 61.217, 26.696**, and **22, 53.872, 35.679** is the 20% darker color. If you saturate the color by 10%, you get **36, 67.659, 30.951**, and if you desaturate by 10%, it is **40, 53.894, 22.642**.

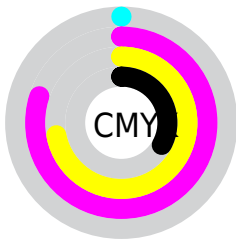
Distribution



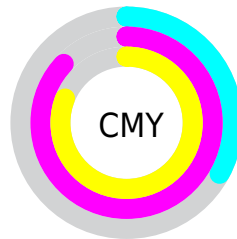
- Red (67%)
- Green (13%)
- Blue (19%)



- Red (67%)
- Yellow (13%)
- Blue (19%)



- Cyan (0%)
- Magenta (80%)
- Yellow (72%)
- Black (33%)



- Cyan (33%)
- Magenta (87%)
- Yellow (81%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 61.167, 26.497 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, 61.167, 26.497 by changing the saturation by 10% instead.

■ 38, 61.167, 26.497

■ 38, 61.167, 26.497

■ 100, 61.167,
26.497

■ 28, 61.167, 26.497

■ 58, 61.167, 26.497

■ 18, 61.167, 26.497

■ 68, 61.167, 26.497

■ 8, 61.167, 26.497

■ 78, 61.167, 26.497

■ 0, 61.167, 26.497

■ 88, 61.167, 26.497

■ 98, 61.167, 26.497

■ 38, 61.167, 26.497

■ 38, 61.167, 26.497

■ 36, 67.659, 30.951

■ 40, 53.894, 22.642

36, 73.104, 35.092

43, 46.066, 19.504

47, 37.947, 17.018

51, 29.803, 15.059

56, 21.851, 13.502

60, 14.232, 12.245

65, 7.022, 11.194

70, 0.245, 8.472

75, 6.107, 189.785

Harmonies

Complementary

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



38, 61.167, 26.497



63, 38.427, 183.437

Rectangle

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



38, 61.167, 26.497



38, 61.167, 76.497



38, 61.167, 206.497



38, 61.167, 256.497

Sweetspot

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



38, 61.164, 26.499



75, 21.101, 12.725



40, 79.964, 324.064



37, 14.624, 13.165



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



38, 61.164, 26.499



47, 87.634, 34.316



46, 54.431, 55.016



34, 3.851, 11.089



31, 65.932, 34.564



2, 7.880, 12.023

Inverse Universe

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



38, 61.164, 26.499



47, 87.634, 34.316



48, 35.674, 260.433



34, 3.851, 11.089



31, 65.932, 34.564



2, 7.880, 12.023

Previews

White Background



This preview shows how the CIELCh color 38, 61.167, 26.497 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, 61.167, 26.497 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

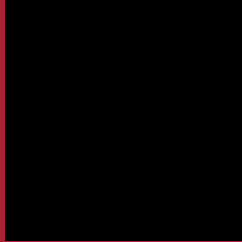
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 61.167, 26.497

Background



This preview shows how black text looks on a background with the CIELCh color 38, 61.167, 26.497.



This preview shows how white text looks on a background with the CIELCh color 38, 61.167, 26.497.

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, 61.167, 26.497

Protanopia
39, 14.261, 96.721

Deuteranopia
38, 30.301, 80.215



Tritanopia
38, 63.699, 33.168

Trichromacy



Original Color
38, 61.167, 26.497

Protanomaly
36, 26.964, 34.986

Deuteranomaly
36, 37.747, 45.161

Tritanomaly
38, 62.534, 30.633

Monochromacy



Original Color
38, 61.167, 26.497

Achromatopsia
33, 0.005, 296.813

Achromatomaly
32, 23.400, 14.774

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 61.167, 26.497 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(172, 34, 49)` looks like.

```
.text, #text, p{  
    color:rgb(172, 34, 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(172, 34, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 34, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 61.167, 26.497 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(172, 34, 49) }
```

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

```
.border{ border-color:rgb(172, 34, 49) }
```

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

Here you see how a box with a 4 pixel rgb(172, 34, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 34, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 34, 49);  
box-shadow:4px 4px 4px 4px rgb(172, 34,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 61.167, 26.497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 34, 49) }
```

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

```
.background{ background-color: rgb(172, 34,  
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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