

Converting Colors

CIELCh(38, 67.408, 27.325)

Have a look what the booklet for
CIELCh(38, 67.408, 27.325) contains.

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Color

CIELCh(38, 67.414, 27.528)

Conversions

Conversions Part 1

Format	Color
Hex	B2122B
RGB	178, 18, 43
RGB Percent	70%, 7%, 17%
CMY	0.3016, 0.9287, 0.8311
CMYK	0.00, 0.90, 0.76, 0.30
HSL	351°, 81%, 38%
HSV	351°, 90%, 70%
XYZ	19.0364, 10.0881, 3.2353
YIQ	68.6900, 87.3350, 41.6950

Conversions

Conversions Part 2

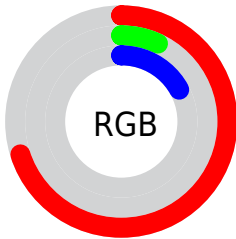
Format	Color
RYB	178, 18, 43
Decimal	11670059
CIELab	38.00, 59.78, 31.16
CIElCh	38, 67.414, 27.528
Yxy	10.0881, 0.5883, 0.3117
Android (android.graphics.Color)	4289860139 (0xFFB2122B)
YUV	68.6900, -12.6652, 95.8649
Hunter-Lab	31.7617, 51.4014, 16.1939

Details

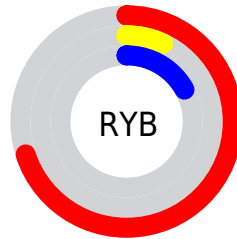
The CIELCh color **38, 67.414, 27.528** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **65, 43.298, 177.198**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 67.489, 27.248**, and **23, 56.829, 37.552** is the 20% darker color. If you saturate the color by 10%, you get **37, 72.884, 32.348**, and if you desaturate by 10%, it is **40, 61.233, 22.906**.

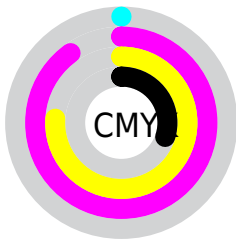
Distribution



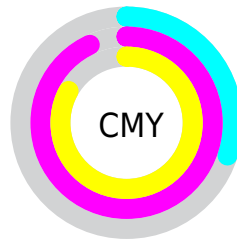
- Red (70%)
- Green (7%)
- Blue (17%)



- Red (70%)
- Yellow (7%)
- Blue (17%)



- Cyan (0%)
- Magenta (90%)
- Yellow (76%)
- Black (30%)



- Cyan (30%)
- Magenta (93%)
- Yellow (83%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 67.414, 27.528 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, 67.414, 27.528 by changing the saturation by 10% instead.

 38, 67.414, 27.528

 38, 67.414, 27.528

 100, 67.414,
27.528

 28, 67.414, 27.528

 58, 67.414, 27.528

 18, 67.414, 27.528

 68, 67.414, 27.528

 8, 67.414, 27.528

 78, 67.414, 27.528

 0, 67.414, 27.528

 88, 67.414, 27.528

 98, 67.414, 27.528

 38, 67.414, 27.528

 38, 67.414, 27.528

 37, 72.884, 32.348

 40, 61.233, 22.906

37, 72.998, 32.437

42, 54.219, 19.017

45, 46.530, 15.890

49, 38.435, 13.416

53, 30.223, 11.456

58, 22.134, 9.883

63, 14.327, 8.595

68, 6.891, 7.502

73, 0.139, 190.128

Harmonies

Complementary

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



38, 67.414, 27.528



65, 43.298, 177.198

Rectangle

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



38, 67.414, 27.528



38, 67.414, 77.528



38, 67.414, 207.528



38, 67.414, 257.528

Sweetspot

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



38, 67.411, 27.530



75, 24.732, 9.561



38, 86.731, 322.253



38, 16.940, 10.032



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



38, 67.411, 27.530



49, 89.846, 33.374



44, 64.334, 50.383



35, 3.987, 7.453



31, 64.836, 31.766



2, 9.316, 9.515

Inverse Universe

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



38, 67.411, 27.530



49, 89.846, 33.374



49, 36.875, 256.949



35, 3.987, 7.453



31, 64.836, 31.766



2, 9.316, 9.515

Previews

White Background



This preview shows how the CIELCh color 38, 67.414, 27.528 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, 67.414, 27.528 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, 67.414, 27.528

Background



This preview shows how black text looks on a background with the CIELCh color 38, 67.414, 27.528.



This preview shows how white text looks on a background with the CIELCh color 38, 67.414, 27.528.

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, 67.414, 27.528

Protanopia

39, 16.716, 96.236

Deuteranopia

39, 34.942, 81.893



Tritanopia
38, 72.564, 36.894

Trichromacy



Original Color
38, 67.414, 27.528

Protanomaly
35, 31.171, 34.289

Deuteranomaly
36, 42.664, 44.954

Tritanomaly
38, 70.627, 33.905

Monochromacy



Original Color
38, 67.414, 27.528

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 27.519, 13.686

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 67.414, 27.528 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(178, 18, 43)` looks like.

```
.text, #text, p{  
    color:rgb(178, 18, 43)  
}
```

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(178, 18, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 18, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 67.414, 27.528 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(178, 18, 43) }
```

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

```
.border{ border-color:rgb(178, 18, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 18, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 18, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 18, 43);  
box-shadow:4px 4px 4px 4px rgb(178, 18,  
43) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 67.414, 27.528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 18, 43) }
```

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

```
.background{ background-color: rgb(178, 18,  
43) }
```

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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