

Converting Colors

CIELCh(38, 67.859, 28.129)

Have a look what the booklet for
CIELCh(38, 67.859, 28.129) contains.

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Color

CIELCh(38, 67.658, 27.988)

Conversions

Conversions Part 1

Format	Color
Hex	B2122A
RGB	178, 18, 42
RGB Percent	70%, 7%, 16%
CMY	0.3015, 0.9284, 0.8349
CMYK	0.00, 0.90, 0.76, 0.30
HSL	351°, 81%, 39%
HSV	351°, 90%, 70%
XYZ	19.0293, 10.0881, 3.1432
YIQ	68.5760, 87.6560, 41.3840

Conversions

Conversions Part 2

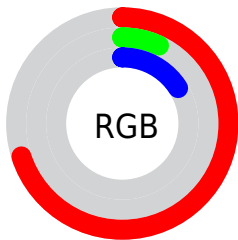
Format	Color
R _Y B	178, 18, 42
Decimal	11670058
CIE Lab	38.00, 59.75, 31.75
CIE LCh	38, 67.658, 27.988
Yxy	10.0881, 0.5899, 0.3127
Android (android.graphics.Color)	4289860138 (0xFFB2122A)
YUV	68.5760, -13.1020, 95.9648
Hunter-Lab	31.7617, 51.3612, 16.3658

Details

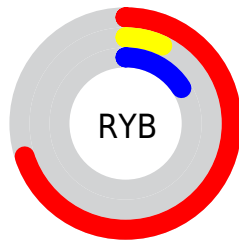
The CIELCh color **38, 67.658, 27.988** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **65, 42.994, 177.895**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 67.898, 28.121**, and **23, 56.829, 37.552** is the 20% darker color. If you saturate the color by 10%, you get **37, 73.191, 32.757**, and if you desaturate by 10%, it is **40, 61.393, 23.386**.

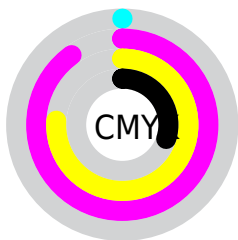
Distribution



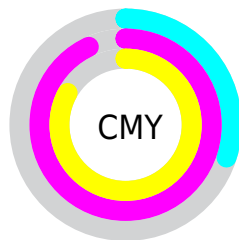
- Red (70%)
- Green (7%)
- Blue (16%)



- Red (70%)
- Yellow (7%)
- Blue (16%)



- 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, 67.658, 27.988 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, 67.658, 27.988 by changing the saturation by 10% instead.

 38, 67.658, 27.988

 38, 67.658, 27.988

 100, 67.658,
27.988

 28, 67.658, 27.988

 58, 67.658, 27.988

 18, 67.658, 27.988

 68, 67.658, 27.988

 8, 67.658, 27.988

 78, 67.658, 27.988

 0, 67.658, 27.988

 88, 67.658, 27.988

 98, 67.658, 27.988

 38, 67.658, 27.988

 38, 67.658, 27.988

 37, 73.191, 32.757

 40, 61.393, 23.386

37, 73.325, 32.860

42, 54.306, 19.501

45, 46.561, 16.374

49, 38.427, 13.902

53, 30.192, 11.943

58, 22.092, 10.373

63, 14.284, 9.091

68, 6.854, 8.003

73, 0.163, 190.137

Harmonies

Complementary

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



38, 67.658, 27.988



65, 42.994, 177.895

Rectangle

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



38, 67.658, 27.988



38, 67.658, 77.988



38, 67.658, 207.988



38, 67.658, 257.988

Sweetspot

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



38, 67.655, 27.990



75, 24.710, 10.058



39, 86.619, 322.823



38, 16.927, 10.527



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, 67.655, 27.990



49, 90.233, 33.780



45, 63.801, 51.496



35, 3.980, 7.958



31, 65.112, 32.198



2, 9.304, 9.918

Inverse Universe

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



38, 67.655, 27.990



49, 90.233, 33.780



49, 37.815, 259.684



35, 3.980, 7.958



31, 65.112, 32.198



2, 9.304, 9.918

Previews

White Background



This preview shows how the CIELCh color 38, 67.658, 27.988 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, 67.658, 27.988 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, 67.658, 27.988

Background



This preview shows how black text looks on a background with the CIELCh color 38, 67.658, 27.988.



This preview shows how white text looks on a background with the CIELCh color 38, 67.658, 27.988.

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, 67.658, 27.988

Protanopia

39, 17.405, 94.969

Deuteranopia

39, 35.415, 82.104



Tritanopia
38, 72.829, 37.196

Trichromacy



Original Color
38, 67.658, 27.988

Protanomaly
35, 31.911, 35.185

Deuteranomaly
36, 43.021, 45.529

Tritanomaly
38, 70.904, 34.274

Monochromacy



Original Color
38, 67.658, 27.988

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 27.558, 14.998

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 67.658, 27.988 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, 42)` looks like.

```
.text, #text, p{  
    color:rgb(178, 18, 42)  
}
```

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, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 18, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 67.658, 27.988 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, 42) }
```

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

```
.border{ border-color:rgb(178, 18, 42) }
```

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, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 18, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 18, 42);  
box-shadow:4px 4px 4px 4px rgb(178, 18,  
42) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 67.658, 27.988 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, 42) }
```

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

```
.background{ background-color: rgb(178, 18,  
42) }
```

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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