

Converting Colors

CIELCh(38, 64.780, 27.983)

Have a look what the booklet for
CIELCh(38, 64.780, 27.983) contains.

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Color

CIELCh(38, 64.780, 27.983)

Conversions

Conversions Part 1

Format	Color
Hex	AF1B2C
RGB	175, 27, 44
RGB Percent	69%, 11%, 17%
CMY	0.3135, 0.8938, 0.8273
CMYK	0.00, 0.85, 0.75, 0.31
HSL	353°, 73%, 40%
HSV	353°, 85%, 69%
XYZ	18.5381, 10.0881, 3.3561
YIQ	73.1900, 82.7510, 36.6630

Conversions

Conversions Part 2

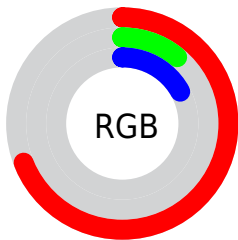
Format	Color
RYB	175, 27, 44
Decimal	11475756
CIELab	38.00, 57.21, 30.40
CIElCh	38, 64.780, 27.983
Yxy	10.0881, 0.5796, 0.3154
Android (android.graphics.Color)	4289665836 (0xFFAF1B2C)
YUV	73.1900, -14.3907, 89.2874
Hunter-Lab	31.7617, 48.6007, 15.9682

Details

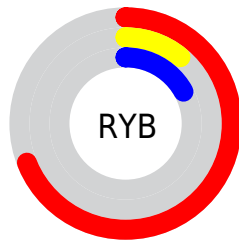
The CIELCh color **38, 64.780, 27.983** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **64, 40.024, 182.385**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 64.569, 27.836**, and **22, 55.584, 37.281** is the 20% darker color. If you saturate the color by 10%, you get **37, 70.907, 32.606**, and if you desaturate by 10%, it is **40, 57.762, 23.819**.

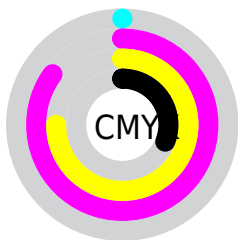
Distribution



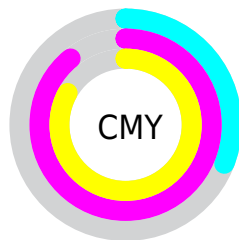
- Red (69%)
- Green (11%)
- Blue (17%)



- Red (69%)
- Yellow (11%)
- Blue (17%)



- Cyan (0%)
- Magenta (85%)
- Yellow (75%)
- Black (31%)



- Cyan (31%)
- Magenta (89%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 64.780, 27.983 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, 64.780, 27.983 by changing the saturation by 10% instead.

 38, 64.780, 27.983

 38, 64.780, 27.983

 100, 64.780,
27.983

 28, 64.780, 27.983

 58, 64.780, 27.983

 18, 64.780, 27.983

 68, 64.780, 27.983

 8, 64.780, 27.983

 78, 64.780, 27.983

 0, 64.780, 27.983

 88, 64.780, 27.983

 98, 64.780, 27.983

 38, 64.780, 27.983

 38, 64.780, 27.983

 37, 70.907, 32.606

 40, 57.762, 23.819

36, 73.963, 34.875

43, 50.073, 20.365

46, 41.956, 17.610

50, 33.690, 15.438

55, 25.524, 13.718

59, 17.638, 12.339

64, 10.136, 11.206

69, 3.064, 10.178

74, 3.574, 189.700

Harmonies

Complementary

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



38, 64.780, 27.983



64, 40.024, 182.385

Rectangle

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



38, 64.780, 27.983



38, 64.780, 77.983



38, 64.780, 207.983



38, 64.780, 257.983

Sweetspot

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



38, 64.777, 27.985



75, 22.259, 12.452



40, 83.231, 324.045



38, 15.460, 12.903



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



38, 64.777, 27.985



47, 90.652, 35.699



46, 58.364, 54.556



34, 3.855, 10.677



31, 65.716, 34.267



2, 7.887, 11.678

Inverse Universe

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



38, 64.777, 27.985



47, 90.652, 35.699



47, 37.635, 262.336



34, 3.855, 10.677



31, 65.716, 34.267



2, 7.887, 11.678

Previews

White Background



This preview shows how the CIELCh color 38, 64.780, 27.983 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, 64.780, 27.983 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, 64.780, 27.983

Background



This preview shows how black text looks on a background with the CIELCh color 38, 64.780, 27.983.

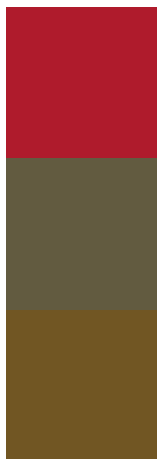


This preview shows how white text looks on a background with the CIELCh color 38, 64.780, 27.983.

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, 64.780, 27.983

Protanopia

39, 16.716, 96.236

Deuteranopia

38, 33.539, 81.114



Tritanopia
38, 68.321, 34.992

Trichromacy



Original Color
38, 64.780, 27.983

Protanomaly
36, 29.555, 36.672

Deuteranomaly
36, 41.235, 46.856

Tritanomaly
38, 67.080, 32.827

Monochromacy



Original Color
38, 64.780, 27.983

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 25.525, 16.196

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 64.780, 27.983 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(175, 27, 44)` looks like.

```
.text, #text, p{  
    color:rgb(175, 27, 44)  
}
```

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(175, 27, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 27, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 64.780, 27.983 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(175, 27, 44) }
```

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

```
.border{ border-color:rgb(175, 27, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 27, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 27, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 27, 44);  
box-shadow:4px 4px 4px 4px rgb(175, 27,  
44) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 64.780, 27.983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 27, 44) }
```

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

```
.background{ background-color: rgb(175, 27,  
44) }
```

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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