

Converting Colors

CIELCh(38, 65.017, 30.456)

Have a look what the booklet for
CIELCh(38, 65.017, 30.456) contains.

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Color

CIELCh(38, 64.902, 30.306)

Conversions

Conversions Part 1

Format	Color
Hex	AE1E28
RGB	174, 30, 40
RGB Percent	68%, 12%, 16%
CMY	0.3175, 0.8821, 0.8430
CMYK	0.00, 0.83, 0.77, 0.32
HSL	356°, 71%, 40%
HSV	356°, 83%, 68%
XYZ	18.3139, 10.0881, 2.9920
YIQ	74.1960, 82.6140, 33.6380

Conversions

Conversions Part 2

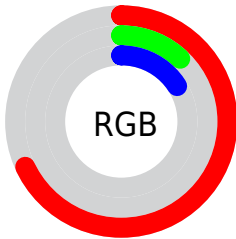
Format	Color
R_{YB}	174, 30, 40
Decimal	11410984
CIE Lab	38.00, 56.03, 32.75
CIE LCh	38, 64.902, 30.306
Yxy	10.0881, 0.5834, 0.3213
Android (android.graphics.Color)	4289601064 (0xFFAE1E28)
YUV	74.1960, -16.8586, 87.5281
Hunter-Lab	31.7617, 47.3407, 16.6480

Details

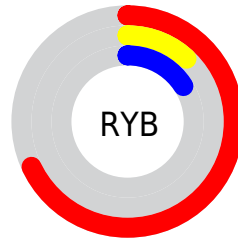
The CIELCh color **38, 64.902, 30.306** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **64, 37.942, 187.812**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 64.736, 29.944**, and **22, 55.167, 37.186** is the 20% darker color. If you saturate the color by 10%, you get **37, 71.571, 34.520**, and if you desaturate by 10%, it is **40, 57.285, 26.414**.

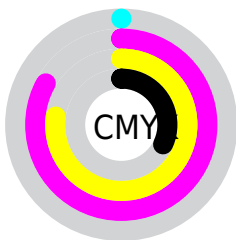
Distribution



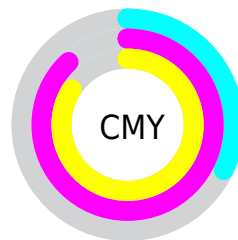
- Red (68%)
- Green (12%)
- Blue (16%)



- Red (68%)
- Yellow (12%)
- Blue (16%)



- Cyan (0%)
- Magenta (83%)
- Yellow (77%)
- Black (32%)



- Cyan (32%)
- Magenta (88%)
- Yellow (84%)
- Black (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 64.902, 30.306 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, 64.902, 30.306 by changing the saturation by 10% instead.

 38, 64.902, 30.306

 38, 64.902, 30.306

 100, 64.902,
30.306

 28, 64.902, 30.306

 58, 64.902, 30.306

 18, 64.902, 30.306

 68, 64.902, 30.306

 8, 64.902, 30.306

 78, 64.902, 30.306

 0, 64.902, 30.306

 88, 64.902, 30.306

 98, 64.902, 30.306

 38, 64.902, 30.306

 38, 64.902, 30.306

 37, 71.571, 34.520

 40, 57.285, 26.414

36, 75.609, 37.108

43, 49.106, 23.161

47, 40.654, 20.565

51, 32.205, 18.529

55, 23.981, 16.931

60, 16.131, 15.663

65, 8.732, 14.631

70, 1.807, 13.598

75, 4.654, 193.299

Harmonies

Complementary

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



38, 64.902, 30.306



64, 37.942, 187.812

Rectangle

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



38, 64.902, 30.306



38, 64.902, 80.306



38, 64.902, 210.306



38, 64.902, 260.306

Sweetspot

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



38, 64.899, 30.308



75, 22.219, 15.981



41, 81.960, 325.182



38, 15.451, 16.411



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, 64.899, 30.308



48, 92.407, 37.489



48, 56.128, 57.448



34, 3.828, 14.311



31, 67.509, 36.610



2, 7.836, 14.717

Inverse Universe

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



38, 64.899, 30.308



48, 92.407, 37.489



46, 38.844, 266.226



34, 3.828, 14.311



31, 67.509, 36.610



2, 7.836, 14.717

Previews

White Background



This preview shows how the CIELCh color 38, 64.902, 30.306 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, 64.902, 30.306 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, 64.902, 30.306

Background



This preview shows how black text looks on a background with the CIELCh color 38, 64.902, 30.306.



This preview shows how white text looks on a background with the CIELCh color 38, 64.902, 30.306.

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, 64.902, 30.306

Protanopia

39, 20.317, 96.153

Deuteranopia

38, 36.138, 81.495



Tritanopia
38, 67.031, 34.551

Trichromacy



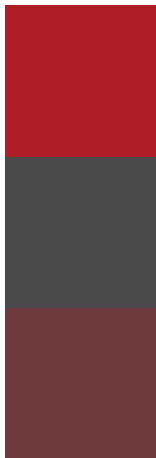
Original Color
38, 64.902, 30.306

Protanomaly
36, 31.184, 43.610

Deuteranomaly
36, 42.538, 49.850

Tritanomaly
38, 66.358, 33.135

Monochromacy



Original Color
38, 64.902, 30.306

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 24.603, 18.429

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 64.902, 30.306 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(174, 30, 40)` looks like.

```
.text, #text, p{  
    color:rgb(174, 30, 40)  
}
```

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(174, 30, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 30, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 64.902, 30.306 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(174, 30, 40) }
```

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

```
.border{ border-color:rgb(174, 30, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 30, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 30, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 30, 40);  
box-shadow:4px 4px 4px 4px rgb(174, 30,  
40) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 64.902, 30.306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 30, 40) }
```

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

```
.background{ background-color: rgb(174, 30,  
40) }
```

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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