

Converting Colors

CIELCh(38, 64.558, 29.186)

Have a look what the booklet for
CIELCh(38, 64.558, 29.186) contains.

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Color

CIELCh(38, 64.558, 29.186)

Conversions

Conversions Part 1

Format	Color
Hex	AE1D2A
RGB	174, 29, 42
RGB Percent	68%, 11%, 16%
CMY	0.3167, 0.8850, 0.8346
CMYK	0.00, 0.83, 0.76, 0.32
HSL	355°, 71%, 40%
HSV	355°, 83%, 68%
XYZ	18.3766, 10.0881, 3.1848
YIQ	73.8370, 82.2470, 34.7830

Conversions

Conversions Part 2

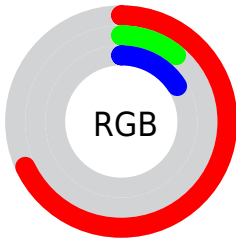
Format	Color
RYB	174, 29, 42
Decimal	11410730
CIELab	38.00, 56.36, 31.48
CIELCh	38, 64.558, 29.186
Yxy	10.0881, 0.5806, 0.3187
Android (android.graphics.Color)	4289600810 (0xFFAE1D2A)
YUV	73.8370, -15.6956, 87.8430
Hunter-Lab	31.7617, 47.6930, 16.2881

Details

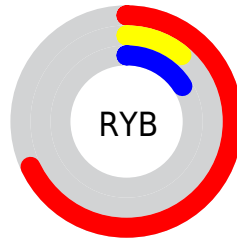
The CIELCh color **38, 64.558, 29.186** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **64, 38.694, 185.480**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 64.300, 29.041**, and **22, 55.167, 37.186** is the 20% darker color. If you saturate the color by 10%, you get **37, 71.036, 33.581**, and if you desaturate by 10%, it is **40, 57.175, 25.192**.

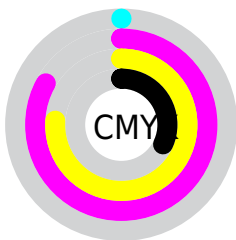
Distribution



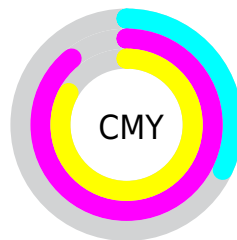
- Red (68%)
- Green (11%)
- Blue (16%)



- Red (68%)
- Yellow (11%)
- Blue (16%)



- Cyan (0%)
- Magenta (83%)
- Yellow (76%)
- Black (32%)



- Cyan (32%)
- Magenta (89%)
- Yellow (83%)
- Black (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 64.558, 29.186 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, 64.558, 29.186 by changing the saturation by 10% instead.

 38, 64.558, 29.186

 38, 64.558, 29.186

 100, 64.558,
29.186

 28, 64.558, 29.186

 58, 64.558, 29.186

 18, 64.558, 29.186

 68, 64.558, 29.186

 8, 64.558, 29.186

 78, 64.558, 29.186

 0, 64.558, 29.186


 88, 64.558, 29.186

 98, 64.558, 29.186

 38, 64.558, 29.186

 38, 64.558, 29.186

 37, 71.036, 33.581

 40, 57.175, 25.192

36, 74.861, 36.217

43, 49.195, 21.871

47, 40.887, 19.224

51, 32.526, 17.142

55, 24.345, 15.501

60, 16.502, 14.192

65, 9.083, 13.120

70, 2.119, 12.086

75, 4.394, 191.712

Harmonies

Complementary

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



38, 64.558, 29.186



64, 38.694, 185.480

Rectangle

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



38, 64.558, 29.186



38, 64.558, 79.186



38, 64.558, 209.186



38, 64.558, 259.186

Sweetspot

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



38, 64.555, 29.188



75, 22.226, 14.464



40, 82.270, 324.617



38, 15.447, 14.904



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, 64.555, 29.188



47, 92.029, 36.962



47, 56.816, 56.035



34, 3.837, 12.744



31, 66.773, 35.684



2, 7.856, 13.408

Inverse Universe

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



38, 64.555, 29.188



47, 92.029, 36.962



47, 38.016, 264.122



34, 3.837, 12.744



31, 66.773, 35.684



2, 7.856, 13.408

Previews

White Background



This preview shows how the CIELCh color 38, 64.558, 29.186 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, 64.558, 29.186 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, 64.558, 29.186

Background



This preview shows how black text looks on a background with the CIELCh color 38, 64.558, 29.186.



This preview shows how white text looks on a background with the CIELCh color 38, 64.558, 29.186.

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, 64.558, 29.186

Protanopia

39, 18.573, 95.506

Deuteranopia

38, 35.209, 81.070



Tritanopia
38, 67.200, 34.357

Trichromacy



Original Color
38, 64.558, 29.186

Protanomaly
36, 30.192, 40.830

Deuteranomaly
36, 41.972, 47.998

Tritanomaly
38, 66.248, 32.523

Monochromacy



Original Color
38, 64.558, 29.186

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, 64.558, 29.186 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, 29, 42)` looks like.

```
.text, #text, p{  
    color:rgb(174, 29, 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(174, 29, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 29, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 64.558, 29.186 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, 29, 42) }
```

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

```
.border{ border-color:rgb(174, 29, 42) }
```

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

Here you see how a box with a 4 pixel rgb(174, 29, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 29, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 29, 42);  
box-shadow:4px 4px 4px 4px rgb(174, 29,  
42) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 64.558, 29.186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 29, 42) }
```

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

```
.background{ background-color: rgb(174, 29,  
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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