

Converting Colors

CIELCh(38, 65.777, 33.996)

Have a look what the booklet for
CIELCh(38, 65.777, 33.996) contains.

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Color

CIELCh(38, 65.896, 33.895)

Conversions

Conversions Part 1

Format	Color
Hex	AD2121
RGB	173, 33, 33
RGB Percent	68%, 13%, 13%
CMY	0.3214, 0.8704, 0.8705
CMYK	0.00, 0.81, 0.81, 0.32
HSL	0°, 68%, 40%
HSV	0°, 81%, 68%
XYZ	18.0611, 10.0881, 2.4360
YIQ	74.8600, 83.4400, 29.6800

Conversions

Conversions Part 2

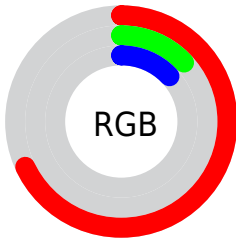
Format	Color
RYB	173, 33, 33
Decimal	11346209
CIELab	38.00, 54.70, 36.75
CIELCh	38, 65.896, 33.895
Yxy	10.0881, 0.5905, 0.3298
Android (android.graphics.Color)	4289536289 (0xFFAD2121)
YUV	74.8600, -20.6370, 86.0688
Hunter-Lab	31.7617, 45.9200, 17.6860

Details

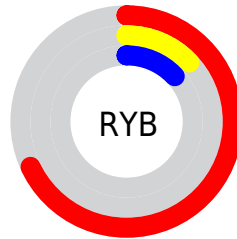
The CIELCh color **38, 65.896, 33.895** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **64, 35.693, 196.546**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 66.138, 34.088**, and **22, 54.749, 37.089** is the 20% darker color. If you saturate the color by 10%, you get **37, 73.051, 37.326**, and if you desaturate by 10%, it is **40, 57.520, 30.467**.

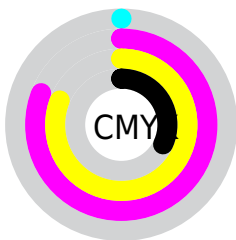
Distribution



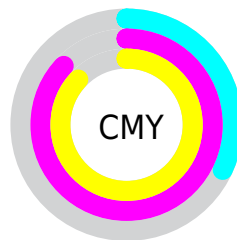
- Red (68%)
- Green (13%)
- Blue (13%)



- Red (68%)
- Yellow (13%)
- Blue (13%)



- Cyan (0%)
- Magenta (81%)
- Yellow (81%)
- Black (32%)



- Cyan (32%)
- Magenta (87%)
- Yellow (87%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 65.896, 33.895 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, 65.896, 33.895 by changing the saturation by 10% instead.

 38, 65.896, 33.895

 38, 65.896, 33.895

 100, 65.896,
33.895

 28, 65.896, 33.895

 58, 65.896, 33.895

 18, 65.896, 33.895

 68, 65.896, 33.895

 8, 65.896, 33.895

 78, 65.896, 33.895

 0, 65.896, 33.895

 88, 65.896, 33.895

 98, 65.896, 33.895

 38, 65.896, 33.895

 38, 65.896, 33.895

 37, 73.051, 37.326

 40, 57.520, 30.467

36, 78.106, 39.927

43, 48.664, 27.535

47, 39.719, 25.193

51, 30.966, 23.378

56, 22.597, 21.983

60, 14.725, 20.905

65, 7.392, 20.050

70, 0.596, 18.647

75, 5.693, 199.062

Harmonies

Complementary

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



38, 65.896, 33.895



64, 35.693, 196.546

Rectangle

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



38, 65.896, 33.895



38, 65.896, 83.895



38, 65.896, 213.895



38, 65.896, 263.895

Sweetspot

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



38, 65.893, 33.897



75, 21.156, 21.253



43, 80.777, 328.008



37, 14.705, 21.625



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



38, 65.893, 33.897



47, 93.336, 39.301



50, 53.672, 64.914



34, 3.817, 19.924



31, 69.980, 39.449



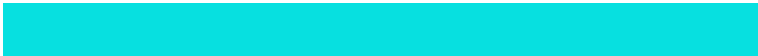
2, 7.800, 19.418

Inverse Universe

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



64, 35.693, 196.546



81, 45.325, 196.425



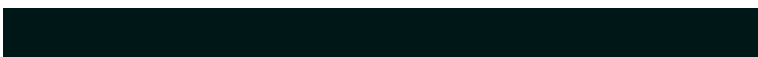
43, 43.633, 275.511



36, 3.603, 199.005



56, 33.799, 196.414



6, 7.799, 199.445

Previews

White Background



This preview shows how the CIELCh color 38, 65.896, 33.895 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, 65.896, 33.895 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, 65.896, 33.895

Background



This preview shows how black text looks on a background with the CIELCh color 38, 65.896, 33.895.



This preview shows how white text looks on a background with the CIELCh color 38, 65.896, 33.895.

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, 65.896, 33.895

Protanopia

39, 25.549, 96.242

Deuteranopia

38, 40.367, 83.104



Tritanopia
38, 65.896, 33.895

Trichromacy



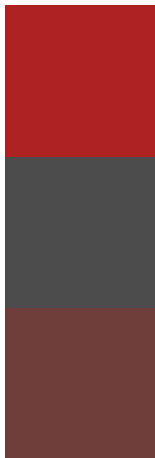
Original Color
38, 65.896, 33.895

Protanomaly
36, 34.432, 50.711

Deuteranomaly
36, 45.327, 54.945

Tritanomaly
38, 65.896, 33.895

Monochromacy



Original Color
38, 65.896, 33.895

Achromatopsia
32, 0.005, 296.813

Achromatomaly
32, 24.432, 23.893

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 65.896, 33.895 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(173, 33, 33)` looks like.

```
.text, #text, p{  
    color:rgb(173, 33, 33)  
}
```

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(173, 33, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 33, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 65.896, 33.895 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(173, 33, 33) }
```

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

```
.border{ border-color:rgb(173, 33, 33) }
```

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

Here you see how a box with a 4 pixel rgb(173, 33, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 33, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 33, 33);  
box-shadow:4px 4px 4px 4px rgb(173, 33,  
33) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 65.896, 33.895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 33, 33) }
```

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

```
.background{ background-color: rgb(173, 33,  
33) }
```

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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