

Converting Colors

CIELCh(38, 64.834, 11.138)

Have a look what the booklet for
CIELCh(38, 64.834, 11.138) contains.

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Color

CIELCh(38, 64.831, 10.845)

Conversions

Conversions Part 1

Format	Color
Hex	B30149
RGB	179, 1, 73
RGB Percent	70%, 0%, 29%
CMY	0.2980, 0.9959, 0.7137
CMYK	0.00, 0.99, 0.59, 0.30
HSL	336°, 99%, 35%
HSV	336°, 99%, 70%
XYZ	19.8063, 10.0881, 7.2078
YIQ	62.4300, 82.9760, 60.1280

Conversions

Conversions Part 2

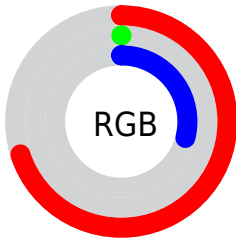
Format	Color
RYB	179, 1, 73
Decimal	11731273
CIELab	38.00, 63.67, 12.20
CIElCh	38, 64.831, 10.845
Yxy	10.0881, 0.5338, 0.2719
Android (android.graphics.Color)	4289921353 (0xFFB30149)
YUV	62.4300, 5.2110, 102.2319
Hunter-Lab	31.7617, 55.7278, 8.7783

Details

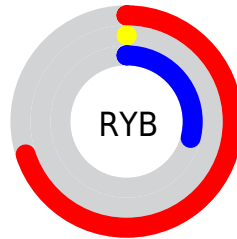
The CIELCh color **38, 64.831, 10.845** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **64, 61.206, 154.685**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **58, 65.040, 10.913**, and **24, 50.417, 22.880** is the 20% darker color. If you saturate the color by 10%, you get **38, 64.968, 11.118**, and if you desaturate by 10%, it is **39, 62.540, 6.245**.

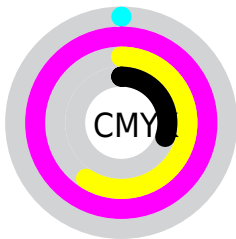
Distribution



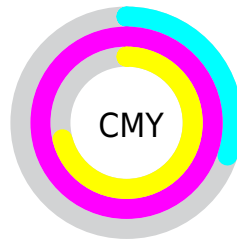
- Red (70%)
- Green (0%)
- Blue (29%)



- Red (70%)
- Yellow (0%)
- Blue (29%)



- Cyan (0%)
- Magenta (99%)
- Yellow (59%)
- Black (30%)



- Cyan (30%)
- Magenta (100%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 64.831, 10.845 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, 64.831, 10.845 by changing the saturation by 10% instead.

 38, 64.831, 10.845

 38, 64.831, 10.845

 100, 64.831,
10.845

 28, 64.831, 10.845

 58, 64.831, 10.845

 18, 64.831, 10.845

 68, 64.831, 10.845

 8, 64.831, 10.845

 78, 64.831, 10.845

 0, 64.831, 10.845

 88, 64.831, 10.845

 98, 64.831, 10.845

 38, 64.831, 10.845

 38, 64.831, 10.845

 38, 64.968, 11.118

 39, 62.540, 6.245

■ 41, 59.044, 2.410

■ 43, 53.979,
359.378

■ 46, 47.550,
356.977

■ 50, 40.134,
355.046

■ 54, 32.130,
353.458

■ 59, 23.867,
352.121

■ 63, 15.589,
350.967

■ 68, 7.452, 349.937

Harmonies

Complementary

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



38, 64.831, 10.845



64, 61.206, 154.685

Rectangle

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



38, 64.831, 10.845



38, 64.831, 60.845



38, 64.831, 190.845



38, 64.831, 240.845

Sweetspot

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



38, 64.828, 10.847



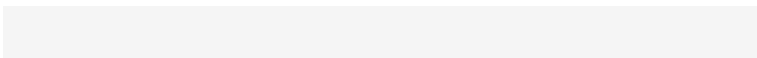
74, 30.089, 352.257



30, 93.736, 314.013



37, 20.745, 352.798



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, 64.828, 10.847



49, 79.033, 12.092



38, 78.597, 40.791



35, 4.473, 349.927



32, 57.805, 10.414



2, 10.107, 355.114

Inverse Universe

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



38, 64.828, 10.847



49, 79.033, 12.092



62, 34.692, 210.784



35, 4.473, 349.927



32, 57.805, 10.414



2, 10.107, 355.114

Previews

White Background



This preview shows how the CIELCh color 38, 64.831, 10.845 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 CIE LCh color 38, 64.831, 10.845 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, 64.831, 10.845

Background



This preview shows how black text looks on a background with the CIELCh color 38, 64.831, 10.845.



This preview shows how white text looks on a background with the CIELCh color 38, 64.831, 10.845.

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, 64.831, 10.845

Protanopia

39, 9.210, 286.714

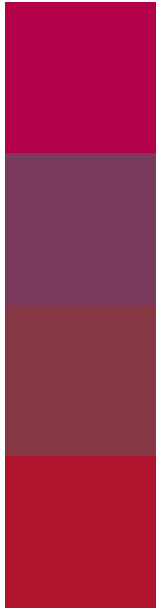
Deuteranopia

39, 17.354, 72.967



Tritanopia
38, 69.538, 35.272

Trichromacy



Original Color
38, 64.831, 10.845

Protanomaly
34, 33.630, 345.334

Deuteranomaly
35, 35.865, 15.233

Tritanomaly
38, 67.054, 27.179

Monochromacy



Original Color
38, 64.831, 10.845

Achromatopsia
26, 0.004, 296.813

Achromatomaly
26, 32.001, 357.174

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 64.831, 10.845 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(179, 1, 73)` looks like.

```
.text, #text, p{  
    color:rgb(179, 1, 73)  
}
```

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(179, 1, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 1, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 64.831, 10.845 is called "border". The border property can be set on classes, ids or directly on the HTML element.

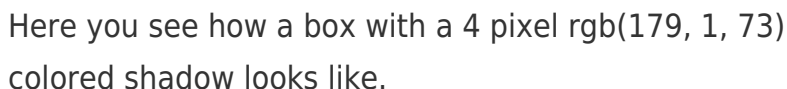
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(179, 1, 73) }
```

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

```
.border{ border-color:rgb(179, 1, 73) }
```

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



Here you see how a box with a 4 pixel `rgb(179, 1, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(179, 1, 73); -webkit-box-shadow:4px 4px 4px 4px rgb(179, 1, 73); box-shadow:4px 4px 4px 4px rgb(179, 1, 73) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 64.831, 10.845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 1, 73) }
```

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

```
.background{ background-color: rgb(179, 1,  
73) }
```

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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