

Converting Colors

CIELCh(40, 68.944, 18.128)

Have a look what the booklet for
CIELCh(40, 68.944, 18.128) contains.

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Color

CIELCh(40, 68.859, 18.271)

Conversions

Conversions Part 1

Format	Color
Hex	BD023F
RGB	189, 2, 63
RGB Percent	74%, 1%, 25%
CMY	0.2582, 0.9904, 0.7525
CMYK	0.00, 0.99, 0.67, 0.26
HSL	341°, 97%, 38%
HSV	341°, 99%, 74%
XYZ	21.9509, 11.2510, 5.7335
YIQ	64.8670, 91.8710, 58.6150

Conversions

Conversions Part 2

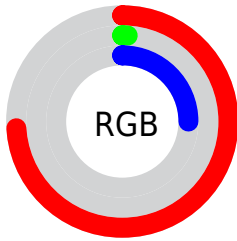
Format	Color
RYB	189, 2, 63
Decimal	12386879
CIELab	40.00, 65.39, 21.59
CIElCh	40, 68.859, 18.271
Yxy	11.2510, 0.5638, 0.2890
Android (android.graphics.Color)	4290576959 (0xFFBD023F)
YUV	64.8670, -0.9204, 108.8646
Hunter-Lab	33.5425, 58.1151, 13.3451

Details

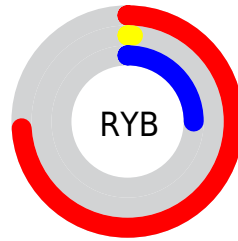
The CIELCh color **40, 68.859, 18.271** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **68, 57.870, 160.163**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **60, 69.054, 18.262**, and **25, 55.471, 29.533** is the 20% darker color. If you saturate the color by 10%, you get **40, 69.307, 18.931**, and if you desaturate by 10%, it is **41, 65.485, 13.151**.

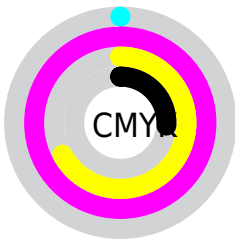
Distribution



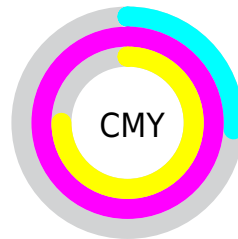
- Red (74%)
- Green (1%)
- Blue (25%)



- Red (74%)
- Yellow (1%)
- Blue (25%)



- Cyan (0%)
- Magenta (99%)
- Yellow (67%)
- Black (26%)



- Cyan (26%)
- Magenta (99%)
- Yellow (75%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 68.859, 18.271 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 40, 68.859, 18.271 by changing the saturation by 10% instead.

 40, 68.859, 18.271

 40, 68.859, 18.271

 100, 68.859,
18.271

 30, 68.859, 18.271

 60, 68.859, 18.271

 20, 68.859, 18.271

 70, 68.859, 18.271

 10, 68.859, 18.271

 80, 68.859, 18.271

 0, 68.859, 18.271

 90, 68.859, 18.271

 40, 68.859, 18.271

 40, 68.859, 18.271

 40, 69.307, 18.931

 41, 65.485, 13.151

 43, 61.030, 8.838

■ 46, 55.192, 5.403

■ 49, 48.153, 2.691

■ 53, 40.274, 0.531

■ 57, 31.937,
358.780

■ 62, 23.457,
357.328

■ 67, 15.059,
356.093

■ 72, 6.883, 355.004

Harmonies

Complementary

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



40, 68.859, 18.271



68, 57.870, 160.163

Rectangle

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



40, 68.859, 18.271



40, 68.859, 68.271



40, 68.859, 198.271



40, 68.859, 248.271

Sweetspot

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



40, 68.856, 18.273



78, 30.291, 357.567



34, 95.839, 316.390



39, 20.750, 358.166



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



40, 68.856, 18.273



52, 84.507, 19.925



41, 79.479, 42.346



37, 4.477, 355.072



33, 60.475, 18.089



3, 12.942, 1.359

Inverse Universe

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



40, 68.856, 18.273



52, 84.507, 19.925



60, 34.708, 227.945



37, 4.477, 355.072



33, 60.475, 18.089



3, 12.942, 1.359

Previews

White Background



This preview shows how the CIELCh color 40, 68.859, 18.271 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 40, 68.859, 18.271 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 40, 68.859, 18.271

Background



This preview shows how black text looks on a background with the CIELCh color 40, 68.859, 18.271.



This preview shows how white text looks on a background with the CIELCh color 40, 68.859, 18.271.

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

40, 68.859, 18.271

Protanopia

41, 2.206, 74.635

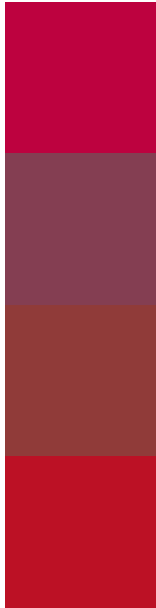
Deuteranopia

41, 26.364, 77.886



Tritanopia
40, 75.786, 37.134

Trichromacy



Original Color
40, 68.859, 18.271

Protanomaly
36, 32.369, 3.980

Deuteranomaly
37, 40.778, 28.425

Tritanomaly
40, 72.770, 30.997

Monochromacy



Original Color
40, 68.859, 18.271

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 32.529, 2.840

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 68.859, 18.271 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(189, 2, 63)` looks like.

```
.text, #text, p{  
    color:rgb(189, 2, 63)  
}
```

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(189, 2, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 2, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 68.859, 18.271 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(189, 2, 63) }
```

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

```
.border{ border-color:rgb(189, 2, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 2, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 2, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 2, 63);  
box-shadow:4px 4px 4px 4px rgb(189, 2, 63)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 68.859, 18.271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 2, 63) }
```

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

```
.background{ background-color: rgb(189, 2,  
63) }
```

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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