

Converting Colors

CIELCh(40, 69.152, 19.439)

Have a look what the booklet for
CIELCh(40, 69.152, 19.439) contains.

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Color

CIELCh(40, 69.075, 19.322)

Conversions

Conversions Part 1

Format	Color
Hex	BD033D
RGB	189, 3, 61
RGB Percent	74%, 1%, 24%
CMY	0.2582, 0.9865, 0.7603
CMYK	0.00, 0.98, 0.68, 0.26
HSL	341°, 96%, 38%
HSV	341°, 98%, 74%
XYZ	21.9074, 11.2510, 5.4476
YIQ	65.2260, 92.2380, 57.4700

Conversions

Conversions Part 2

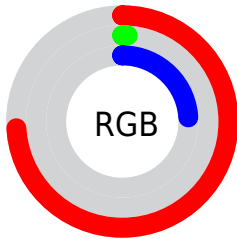
Format	Color
RYB	189, 3, 61
Decimal	12387133
CIELab	40.00, 65.18, 22.86
CIElCh	40, 69.075, 19.322
Yxy	11.2510, 0.5675, 0.2914
Android (android.graphics.Color)	4290577213 (0xFFBD033D)
YUV	65.2260, -2.0834, 108.5498
Hunter-Lab	33.5425, 57.8832, 13.8504

Details

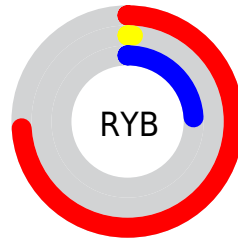
The CIELCh color **40, 69.075, 19.322** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **68, 56.698, 161.368**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **60, 68.982, 19.419**, and **25, 56.032, 30.652** is the 20% darker color. If you saturate the color by 10%, you get **40, 69.744, 20.259**, and if you desaturate by 10%, it is **41, 65.477, 14.166**.

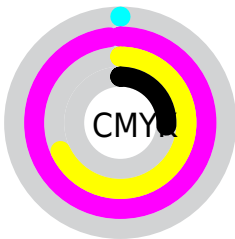
Distribution



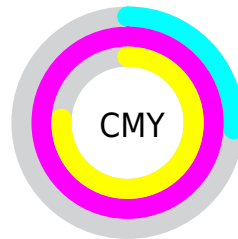
- Red (74%)
- Green (1%)
- Blue (24%)



- Red (74%)
- Yellow (1%)
- Blue (24%)



- Cyan (0%)
- Magenta (98%)
- Yellow (68%)
- Black (26%)



- Cyan (26%)
- Magenta (99%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 69.075, 19.322 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, 69.075, 19.322 by changing the saturation by 10% instead.

■ 40, 69.075, 19.322

■ 40, 69.075, 19.322

■ 100, 69.075,
19.322

■ 30, 69.075, 19.322

■ 60, 69.075, 19.322

■ 20, 69.075, 19.322

■ 70, 69.075, 19.322

■ 10, 69.075, 19.322

■ 80, 69.075, 19.322

■ 0, 69.075, 19.322

■ 90, 69.075, 19.322

■ 40, 69.075, 19.322

■ 40, 69.075, 19.322

■ 40, 69.744, 20.259

■ 41, 65.477, 14.166

■ 43, 60.796, 9.833

■ 46, 54.783, 6.376

■ 49, 47.627, 3.647

■ 53, 39.685, 1.474

■ 57, 31.332,
359.715

■ 62, 22.873,
358.258

■ 67, 14.521,
357.021

■ 72, 6.410, 355.928

Harmonies

Complementary

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



40, 69.075, 19.322



68, 56.698, 161.368

Rectangle

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



40, 69.075, 19.322



40, 69.075, 69.322



40, 69.075, 199.322



40, 69.075, 249.322

Sweetspot

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



40, 69.072, 19.324



78, 29.075, 358.431



35, 95.370, 316.930



39, 20.045, 359.035



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, 69.072, 19.324



52, 85.083, 21.258



42, 78.606, 42.769



37, 4.443, 356.054



33, 60.828, 19.411



3, 12.886, 2.107

Inverse Universe

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



40, 69.072, 19.324



52, 85.083, 21.258



59, 34.750, 231.375



37, 4.443, 356.054



33, 60.828, 19.411



3, 12.886, 2.107

Previews

White Background



This preview shows how the CIELCh color 40, 69.075, 19.322 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, 69.075, 19.322 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

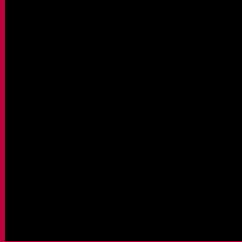
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 40, 69.075, 19.322

Background



This preview shows how black text looks on a background with the CIELCh color 40, 69.075, 19.322.



This preview shows how white text looks on a background with the CIELCh color 40, 69.075, 19.322.

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, 69.075, 19.322

Protanopia

41, 4.006, 84.195

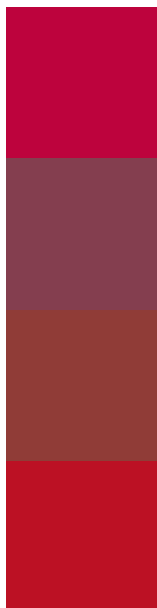
Deuteranopia

41, 27.406, 78.767



Tritanopia
40, 76.175, 37.289

Trichromacy



Original Color
40, 69.075, 19.322

Protanomaly
36, 32.168, 7.202

Deuteranomaly
37, 40.916, 30.647

Tritanomaly
40, 73.036, 31.386

Monochromacy



Original Color
40, 69.075, 19.322

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 32.412, 3.834

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 69.075, 19.322 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, 3, 61)` looks like.

```
.text, #text, p{  
    color:rgb(189, 3, 61)  
}
```

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, 3, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 3, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 69.075, 19.322 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, 3, 61) }
```

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

```
.border{ border-color:rgb(189, 3, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 3, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 3, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 3, 61);  
box-shadow:4px 4px 4px 4px rgb(189, 3, 61)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 69.075, 19.322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 3, 61) }
```

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

```
.background{ background-color: rgb(189, 3,  
61) }
```

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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