

Converting Colors

CIELCh(25, 113.104, 356.287)

Have a look what the booklet for
CIELCh(25, 113.104, 356.287)
contains.

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Color

CIELCh(40, 67.168, 11.615)

Conversions

Conversions Part 1

Format	Color
Hex	BC024C
RGB	188, 2, 76
RGB Percent	74%, 1%, 30%
CMY	0.2631, 0.9903, 0.7032
CMYK	0.00, 0.99, 0.60, 0.26
HSL	336°, 97%, 37%
HSV	336°, 99%, 74%
XYZ	22.0380, 11.2510, 7.7903
YIQ	66.0500, 87.1020, 62.4460

Conversions

Conversions Part 2

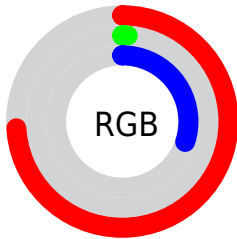
Format	Color
RYB	188, 2, 76
Decimal	12321356
CIELab	40.00, 65.79, 13.52
CIElCh	40, 67.168, 11.615
Yxy	11.2510, 0.5365, 0.2739
Android (android.graphics.Color)	4290511436 (0xFFBC024C)
YUV	66.0500, 4.9054, 106.9502
Hunter-Lab	33.5425, 58.5785, 9.7096

Details

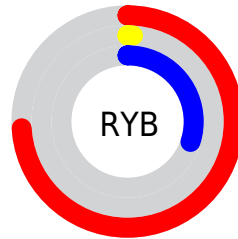
The CIELCh color **40, 67.168, 11.615** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **67, 62.601, 155.358**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **60, 67.038, 11.673**, and **26, 52.755, 22.643** is the 20% darker color. If you saturate the color by 10%, you get **40, 67.493, 12.245**, and if you desaturate by 10%, it is **41, 64.706, 6.911**.

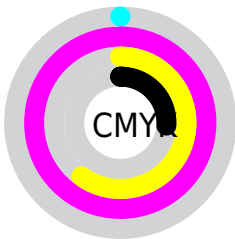
Distribution



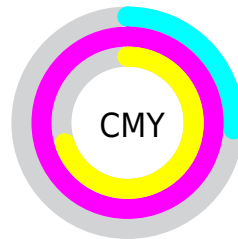
- Red (74%)
- Green (1%)
- Blue (30%)



- Red (74%)
- Yellow (1%)
- Blue (30%)



- Cyan (0%)
- Magenta (99%)
- Yellow (60%)
- Black (26%)




- Cyan (26%)
- Magenta (99%)
- Yellow (70%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 67.168, 11.615 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, 67.168, 11.615 by changing the saturation by 10% instead.

 40, 67.168, 11.615

 40, 67.168, 11.615

 100, 67.168,
11.615

 30, 67.168, 11.615

 60, 67.168, 11.615

 20, 67.168, 11.615

 70, 67.168, 11.615

 10, 67.168, 11.615

 80, 67.168, 11.615

 0, 67.168, 11.615

 90, 67.168, 11.615

 40, 67.168, 11.615

 40, 67.168, 11.615

 40, 67.493, 12.245

 41, 64.706, 6.911

 43, 60.922, 3.034

■ 46, 55.532,
359.970

■ 49, 48.759,
357.546

■ 53, 40.998,
355.599

■ 57, 32.660,
354.001

■ 62, 24.083,
352.656

■ 67, 15.511,
351.496

■ 72, 7.102, 350.459

Harmonies

Complementary

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



40, 67.168, 11.615



67, 62.601, 155.358

Rectangle

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



40, 67.168, 11.615



40, 67.168, 61.615



40, 67.168, 191.615



40, 67.168, 241.615

Sweetspot

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



40, 67.165, 11.617



78, 31.273, 352.884



32, 96.608, 314.470



39, 21.385, 353.440



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, 67.165, 11.617



52, 82.491, 13.207



40, 80.772, 40.857



37, 4.657, 350.527



33, 59.312, 11.486



3, 13.264, 357.630

Inverse Universe

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



40, 67.165, 11.617



52, 82.491, 13.207



63, 35.434, 213.997



37, 4.657, 350.527



33, 59.312, 11.486



3, 13.264, 357.630

Previews

White Background



This preview shows how the CIELCh color 40, 67.168, 11.615 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 40, 67.168, 11.615 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

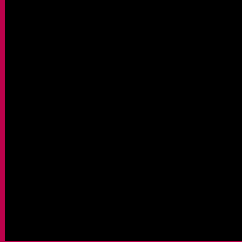
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 67.168, 11.615

Background



This preview shows how black text looks on a background with the CIELCh color 40, 67.168, 11.615.



This preview shows how white text looks on a background with the CIELCh color 40, 67.168, 11.615.

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, 67.215, 11.445

Protanopia

41, 8.522, 286.175

Deuteranopia

41, 18.469, 73.790



Tritanopia
40, 72.574, 35.446

Trichromacy



Original Color
40, 67.215, 11.445

Protanomaly
36, 34.089, 346.233

Deuteranomaly
37, 37.416, 16.693

Tritanomaly
40, 69.794, 27.438

Monochromacy



Original Color
40, 67.215, 11.445

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 32.790, 356.827

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 67.168, 11.615 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(188, 2, 76)` looks like.

```
.text, #text, p{  
    color:rgb(188, 2, 76)  
}
```

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(188, 2, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 2, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 67.168, 11.615 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(188, 2, 76) }
```

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

```
.border{ border-color:rgb(188, 2, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 2, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 2, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 2, 76);  
box-shadow:4px 4px 4px 4px rgb(188, 2, 76)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 67.168, 11.615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 2, 76) }
```

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

```
.background{ background-color: rgb(188, 2,  
76) }
```

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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