

Converting Colors

CIELCh(27, 107.902, 355.425)

Have a look what the booklet for
CIELCh(27, 107.902, 355.425)
contains.

CIELCh(40, 67.189, 8.738)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(40, 67.189, 8.738)

Conversions

Conversions Part 1

Format	Color
Hex	BC0051
RGB	188, 0, 81
RGB Percent	74%, 0%, 32%
CMY	0.2634, 1.0000, 0.6829
CMYK	0.00, 1.00, 0.57, 0.26
HSL	334°, 100%, 37%
HSV	334°, 100%, 74%
XYZ	22.1710, 11.2510, 8.7614
YIQ	65.4460, 86.0470, 65.0470

Conversions

Conversions Part 2

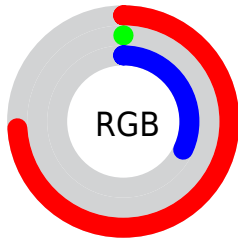
Format	Color
R_{YB}	188, 0, 81
Decimal	12320849
CIE Lab	40.00, 66.41, 10.21
CIE LCh	40, 67.189, 8.738
Yxy	11.2510, 0.5256, 0.2667
Android (android.graphics.Color)	4290510929 (0xFFBC0051)
YUV	65.4460, 7.6681, 107.4799
Hunter-Lab	33.5425, 59.2862, 7.9929

Details

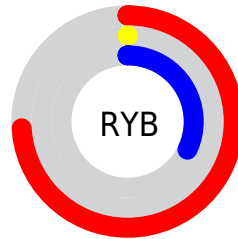
The CIELCh color **40, 67.189, 8.738** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **67, 65.688, 152.890**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **60, 67.288, 8.600**, and **26, 51.983, 19.894** is the 20% darker color. If you saturate the color by 10%, you get **40, 67.143, 8.764**, and if you desaturate by 10%, it is **41, 65.143, 4.293**.

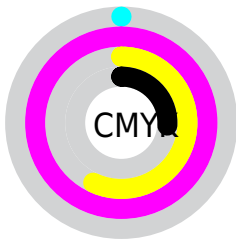
Distribution



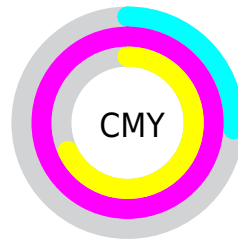
- Red (74%)
- Green (0%)
- Blue (32%)



- Red (74%)
- Yellow (0%)
- Blue (32%)



- Cyan (0%)
- Magenta (100%)
- Yellow (57%)
- Black (26%)



- Cyan (26%)
- Magenta (100%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 67.189, 8.738 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, 67.189, 8.738 by changing the saturation by 10% instead.

 40, 67.189, 8.738  40, 67.189, 8.738

 100, 67.189, 8.738  30, 67.189, 8.738

 60, 67.189, 8.738  20, 67.189, 8.738

 70, 67.189, 8.738  10, 67.189, 8.738

 80, 67.189, 8.738  0, 67.189, 8.738

 90, 67.189, 8.738

 40, 67.189, 8.738  40, 67.189, 8.738

 40, 67.143, 8.764  41, 65.143, 4.293

 43, 61.853, 0.566

 45, 56.840,

357.623

■ 48, 50.312,
355.292

■ 52, 42.669,
353.413

■ 57, 34.338,
351.864

■ 61, 25.683,
350.554

■ 66, 16.970,
349.420

■ 71, 8.376, 348.406

Harmonies

Complementary

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



40, 67.189, 8.738



67, 65.688, 152.890

Rectangle

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



40, 67.189, 8.738



40, 67.189, 58.738



40, 67.189, 188.738



40, 67.189, 238.738

Sweetspot

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



40, 67.143, 8.764



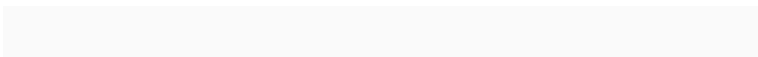
78, 31.860, 350.614



31, 97.763, 313.507



39, 21.769, 351.146



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, 67.143, 8.764



52, 81.989, 9.676



39, 82.174, 40.697



37, 4.760, 348.343



33, 59.082, 8.049



3, 13.468, 355.627

Inverse Universe

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



40, 67.143, 8.764



52, 81.989, 9.676



65, 36.566, 207.740



37, 4.760, 348.343



33, 59.082, 8.049



3, 13.468, 355.627

Previews

White Background



This preview shows how the CIELCh color 40, 67.189, 8.738 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, 67.189, 8.738 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

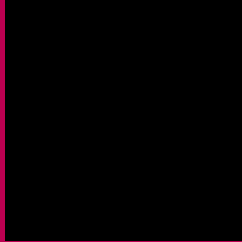
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 67.189, 8.738

Background



This preview shows how black text looks on a background with the CIELCh color 40, 67.189, 8.738.



This preview shows how white text looks on a background with the CIELCh color 40, 67.189, 8.738.

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, 67.189, 8.738

Protanopia

41, 13.401, 285.706

Deuteranopia

41, 15.656, 69.904



Tritanopia
41, 71.712, 35.075

Trichromacy



Original Color
40, 67.189, 8.738

Protanomaly
36, 36.354, 340.529

Deuteranomaly
37, 37.204, 11.190

Tritanomaly
40, 69.096, 26.084

Monochromacy



Original Color
40, 67.189, 8.738

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 34.028, 354.952

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 67.189, 8.738 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, 0, 81)` looks like.

```
.text, #text, p{  
    color:rgb(188, 0, 81)  
}
```

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, 0, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 0, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 67.189, 8.738 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, 0, 81) }
```

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

```
.border{ border-color:rgb(188, 0, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 0, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 0, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 0, 81);  
box-shadow:4px 4px 4px 4px rgb(188, 0, 81)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 67.189, 8.738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 0, 81) }
```

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

```
.background{ background-color: rgb(188, 0,  
81) }
```

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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