

Converting Colors

CIELCh(39, 65.971, 7.452)

Have a look what the booklet for
CIELCh(39, 65.971, 7.452) contains.

CIELCh(39, 65.811, 7.489)	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(39, 65.811, 7.489)

Conversions

Conversions Part 1

Format	Color
Hex	B70051
RGB	183, 0, 81
RGB Percent	72%, 0%, 32%
CMY	0.2824, 1.0000, 0.6824
CMYK	0.00, 1.00, 0.56, 0.28
HSL	333°, 100%, 36%
HSV	333°, 100%, 72%
XYZ	21.0099, 10.6589, 8.7327
YIQ	63.9510, 83.0670, 63.9870

Conversions

Conversions Part 2

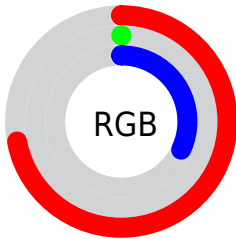
Format	Color
RYB	183, 0, 81
Decimal	11993169
CIELab	39.00, 65.25, 8.58
CIElCh	39, 65.811, 7.489
Yxy	10.6589, 0.5200, 0.2638
Android (android.graphics.Color)	4290183249 (0xFFB70051)
YUV	63.9510, 8.4052, 104.4060
Hunter-Lab	32.6480, 57.7353, 6.9947

Details

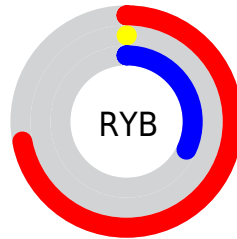
The CIELCh color **39, 65.811, 7.489** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **66, 65.242, 152.238**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **59, 65.997, 7.462**, and **25, 50.553, 18.845** is the 20% darker color. If you saturate the color by 10%, you get **39, 65.808, 7.491**, and if you desaturate by 10%, it is **40, 63.931, 3.157**.

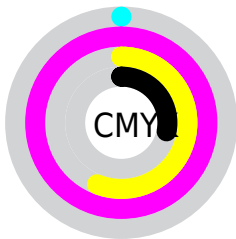
Distribution



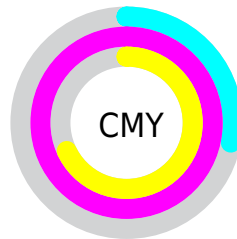
- Red (72%)
- Green (0%)
- Blue (32%)



- Red (72%)
- Yellow (0%)
- Blue (32%)



- Cyan (0%)
- Magenta (100%)
- Yellow (56%)
- Black (28%)



- Cyan (28%)
- Magenta (100%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 65.811, 7.489 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 39, 65.811, 7.489 by changing the saturation by 10% instead.

 39, 65.811, 7.489

 39, 65.811, 7.489

 100, 65.811, 7.489

 29, 65.811, 7.489

 59, 65.811, 7.489

 19, 65.811, 7.489

 69, 65.811, 7.489

 9, 65.811, 7.489

 79, 65.811, 7.489

 0, 65.811, 7.489

 89, 65.811, 7.489

 99, 65.811, 7.489

 39, 65.811, 7.489

 39, 65.811, 7.489

 39, 65.808, 7.491

 40, 63.931, 3.157

 42, 60.766,

359.546

■ 44, 55.882,
356.694

■ 47, 49.495,
354.430

■ 51, 42.001,
352.601

■ 55, 33.819,
351.088

■ 60, 25.309,
349.804

■ 64, 16.731,
348.689

■ 69, 8.262, 347.689

Harmonies

Complementary

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



39, 65.811, 7.489



66, 65.242, 152.238

Rectangle

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



39, 65.811, 7.489



39, 65.811, 57.489



39, 65.811, 187.489



39, 65.811, 237.489

Sweetspot

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



39, 65.808, 7.491



76, 31.253, 349.863



30, 96.209, 313.102



38, 21.532, 350.383



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



39, 65.808, 7.491



51, 79.955, 8.386



38, 80.806, 40.531



36, 4.689, 347.625



33, 58.360, 6.820



2, 11.848, 354.050

Inverse Universe

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



39, 65.808, 7.491



51, 79.955, 8.386



65, 36.548, 204.677



36, 4.689, 347.625



33, 58.360, 6.820



2, 11.848, 354.050

Previews

White Background



This preview shows how the CIELCh color 39, 65.811, 7.489 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 39, 65.811, 7.489 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 39, 65.811, 7.489

Background



This preview shows how black text looks on a background with the CIELCh color 39, 65.811, 7.489.

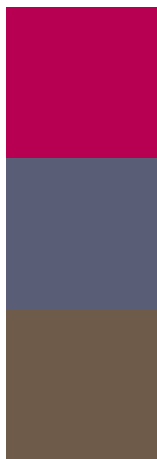


This preview shows how white text looks on a background with the CIELCh color 39, 65.811, 7.489.

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

39, 65.811, 7.489

Protanopia

40, 14.688, 285.085

Deuteranopia

40, 14.436, 68.631



Tritanopia
40, 69.775, 34.865

Trichromacy



Original Color
39, 65.811, 7.489

Protanomaly
35, 36.406, 337.440

Deuteranomaly
36, 36.032, 9.454

Tritanomaly
39, 67.262, 25.440

Monochromacy



Original Color
39, 65.811, 7.489

Achromatopsia
27, 0.004, 296.813

Achromatomaly
27, 32.859, 354.394

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 65.811, 7.489 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(183, 0, 81)` looks like.

```
.text, #text, p{  
    color:rgb(183, 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(183, 0, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 0, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 65.811, 7.489 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(183, 0, 81) }
```

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

```
.border{ border-color:rgb(183, 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(183, 0, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 0, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 0, 81);  
box-shadow:4px 4px 4px 4px rgb(183, 0, 81)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 39, 65.811, 7.489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 0, 81) }
```

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

```
.background{ background-color: rgb(183, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor