

# Converting Colors

CIELCh(39, 67.124, 16.481)

Have a look what the booklet for  
CIELCh(39, 67.124, 16.481) contains.

<b>CIELCh(39, 66.973, 16.280)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	26

**Color**

**CIELCh(39, 66.973, 16.280)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B80341
RGB	184, 3, 65
RGB Percent	72%, 1%, 25%
CMY	0.2775, 0.9897, 0.7444
CMYK	0.00, 0.99, 0.65, 0.28
HSL	339°, 97%, 37%
HSV	339°, 99%, 72%
XYZ	20.8099, 10.6589, 5.9871
YIQ	64.1870, 87.9740, 57.6540

# Conversions

## Conversions Part 2

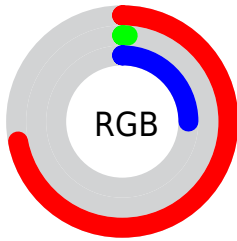
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 3, 65
Decimal	12059457
CIELab	39.00, 64.29, 18.77
CIELCh	39, 66.973, 16.280
Yxy	10.6589, 0.5556, 0.2846
Android (android.graphics.Color)	4290249537 (0xFFB80341)
YUV	64.1870, 0.4008, 105.0760
Hunter-Lab	32.6480, 56.6422, 11.9808

# Details

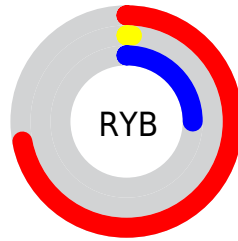
The CIELCh color **39, 66.973, 16.280** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **66, 58.025, 158.812**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **59, 66.660, 16.554**, and **25, 53.388, 27.702** is the 20% darker color. If you saturate the color by 10%, you get **39, 67.422, 16.994**, and if you desaturate by 10%, it is **40, 63.900, 11.287**.

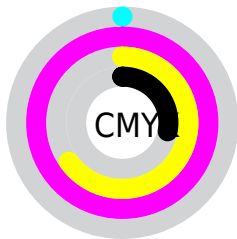
# Distribution



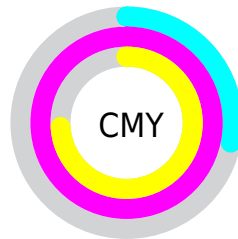
- Red (72%)
- Green (1%)
- Blue (25%)



- Red (72%)
- Yellow (1%)
- Blue (25%)



- Cyan (0%)
- Magenta (99%)
- Yellow (65%)
- Black (28%)



- Cyan (28%)
- Magenta (99%)
- Yellow (74%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 66.973, 16.280 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, 66.973, 16.280 by changing the saturation by 10% instead.



 39, 66.973, 16.280

 39, 66.973, 16.280

 100, 66.973,  
16.280

 29, 66.973, 16.280

 59, 66.973, 16.280

 19, 66.973, 16.280

 69, 66.973, 16.280

 9, 66.973, 16.280

 79, 66.973, 16.280

 0, 66.973, 16.280

 89, 66.973, 16.280

 99, 66.973, 16.280

 39, 66.973, 16.280

 39, 66.973, 16.280

 39, 67.422, 16.994

 40, 63.900, 11.287

■ 42, 59.696, 7.114

■ 44, 54.077, 3.800

■ 48, 47.238, 1.182

■ 52, 39.543,  
359.092

■ 56, 31.373,  
357.389

■ 61, 23.041,  
355.971

■ 65, 14.771,  
354.761

■ 70, 6.702, 353.686

# Harmonies

# Complementary

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



39, 66.973, 16.280



66, 58.025, 158.812

# Rectangle

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



39, 66.973, 16.280



39, 66.973, 66.280



39, 66.973, 196.280



39, 66.973, 246.280

# Sweetspot

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



39, 66.970, 16.282



76, 30.024, 356.226



33, 94.205, 315.916



38, 20.551, 356.808



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, 66.970, 16.282



51, 82.464, 18.019



40, 78.259, 41.916



36, 4.422, 353.766



32, 59.328, 16.195



2, 11.378, 359.385





# Inverse Universe

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



39, 66.970, 16.282



51, 82.464, 18.019



60, 34.073, 224.271



36, 4.422, 353.766



32, 59.328, 16.195



2, 11.378, 359.385



# Previews

## White Background



This preview shows how the CIELCh color 39, 66.973, 16.280 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 39, 66.973, 16.280 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, 66.973, 16.280**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 39, 66.973, 16.280.



This preview shows how white text looks on a background with the CIELCh color 39, 66.973, 16.280.

# 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, 66.882, 16.346

### Protanopia

40, 1.489, 324.446

### Deuteranopia

40, 23.322, 77.124



**Tritanopia**  
39, 73.376, 36.390



# Trichromacy



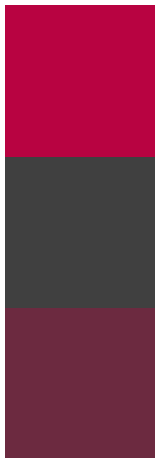
**Original Color**  
39, 66.882, 16.346

**Protanomaly**  
35, 31.751, 358.523

**Deuteranomaly**  
36, 38.710, 24.966

**Tritanomaly**  
39, 70.282, 29.833

# Monochromacy



**Original Color**  
39, 66.882, 16.346

**Achromatopsia**  
27, 0.004, 296.813

**Achromatomaly**  
27, 31.775, 1.917

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 39, 66.973, 16.280 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(184, 3, 65)` looks like.

```
.text, #text, p{  
    color:rgb(184, 3, 65)  
}
```

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(184, 3, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 3, 65) }
```

## Border

The CSS property to change the border of an element to CIELCh 39, 66.973, 16.280 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(184, 3, 65) }
```

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

```
.border{ border-color:rgb(184, 3, 65) }
```

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

Here you see how a box with a 4 pixel rgb(184, 3, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 3, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 3, 65);  
box-shadow:4px 4px 4px 4px rgb(184, 3, 65)  
}
```

# Background

The CSS property to change the background color of an element to CIELCh 39, 66.973, 16.280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 3, 65) }
```

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

```
.background{ background-color: rgb(184, 3,  
65) }
```

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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