

# Converting Colors

HunterLab(38.9670, 67.9405,  
15.8130)

Have a look what the booklet for  
HunterLab(38.9670, 67.9405,  
15.8130) contains.

<b>HunterLab(39.0123, 68.0090, 15.9122)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**HunterLab(39.0123, 68.0090,  
15.9122)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D90048
RGB	217, 0, 72
RGB Percent	85%, 0%, 28%
CMY	0.1490, 0.9998, 0.7176
CMYK	0.00, 1.00, 0.67, 0.15
HSL	340°, 100%, 43%
HSV	340°, 100%, 85%
XYZ	29.7850, 15.2196, 7.4987
YIQ	73.0910, 106.2200, 68.3960

# Conversions

## Conversions Part 2

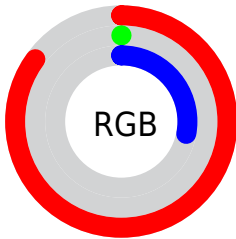
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	217, 0, 72
Decimal	14221384
CIE Lab	45.93, 72.66, 24.80
CIE LCh	46, 76.775, 18.849
Yxy	15.2205, 0.5673, 0.2899
Android (android.graphics.Color)	4292411464 (0xFFD90048)
YUV	73.0910, -0.5379, 126.2082
Hunter-Lab	39.0123, 68.0090, 15.9122

# Details

The HunterLab color **39.0123, 68.0090, 15.9122** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **71.8829, -51.4782, 21.2818**, and the grayscale version is **25.8292, -1.3782, 1.4033**.

A 20% lighter version of the original color is **54.5535, 62.2510, 15.3933**, and **26.3889, 45.5471, 14.2984** is the 20% darker color. If you saturate the color by 10%, you get **39.0116, 68.0069, 15.9199**, and if you desaturate by 10%, it is **39.9949, 66.5669, 12.6002**.

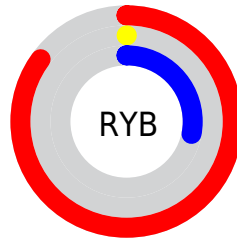
# Distribution



Red (85%)

Green (0%)

Blue (28%)



Red (85%)

Yellow (0%)

Blue (28%)

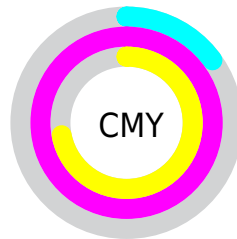


Cyan (0%)

Magenta (100%)

Yellow (67%)

Black (15%)



Cyan (15%)

Magenta (100%)

Yellow (72%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 39.0123, 68.0090, 15.9122 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 HunterLab color 39.0123, 68.0090, 15.9122 by changing the saturation by 10% instead.



■ 39.0123, 68.0090,  
15.9122

■ 39.0123, 68.0090,  
15.9122

149.8991, 86.3794,  
33.1272

■ 29.9572, 65.6902,  
13.6612

■ 59.3630, 72.6558,  
20.0806

■ 21.7358, 63.5805,  
11.2368

■ 70.5558, 74.8874,  
22.0517

■ 14.4447, 62.1245,  
9.3451

■ 82.3752, 77.0315,  
23.9713

■ 8.1057, 64.0900,  
5.6740

■ 94.7896, 79.0828,  
25.8513

0.0000, INF, NaN

0.0000, INF, NaN

■ 107.7716, 81.0410,  
27.7007

0.0000, NaN, NaN

■ 121.2976, 82.9078,

0.0000, NaN, NaN

29.5263

0.0000, NaN, NaN

135.3463, 84.6862,  
31.3337

■ 39.0123, 68.0090,  
15.9122

■ 39.0123, 68.0090,  
15.9122

■ 39.0116, 68.0069,  
15.9199

■ 39.9949, 66.5669,  
12.6002

■ 41.7754, 62.9604,  
9.3679

■ 44.4958, 57.0742,  
6.5994

■ 48.1201, 49.4831,  
4.4907

■ 52.5567, 40.8535,  
3.1007

■ 57.6947, 31.7318,  
2.3899

■ 63.4259, 22.4824,  
2.2711

■ 69.6561, 13.3118,  
2.6460

■ 76.3067, 4.3185,  
3.4238

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.0135, 71.2407, -9.9113



39.0123, 68.0090, 15.9122



39.0135, 43.0557, 24.8798

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



39.0135, 68.0042, 15.9131



39.0135, -36.4442, 23.6257



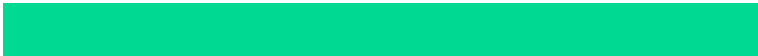
39.0135, -12.5253, -97.6117

# Complementary

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



39.0123, 68.0090, 15.9122



71.8829, -51.4782, 21.2818

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



39.0135, -32.9997, -64.9216



39.0123, 68.0090, 15.9122



39.0135, -43.7901, 11.2367

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



39.0135, 68.0042, 15.9131



39.0135, -18.8721, 26.6146



39.0135, -42.7534, -19.8191



39.0135, 18.1329, -92.2023



# Rectangle

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



39.0123, 68.0090, 15.9122



39.0135, 20.7345, 26.5025



39.0135, -42.7534, -19.8191



39.0135, -20.6254, -90.1062

# Sweetspot

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



39.0135, 68.0042, 15.9131



75.9300, 27.3183, 2.7216



33.1688, 71.8977, -95.6453



33.7412, 14.8244, 1.2542

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

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



39.0135, 68.0042, 15.9131



46.8071, 81.5453, 19.4964



40.0325, 60.3764, 25.7228



36.2249, 1.8141, 1.6420



30.3816, 53.0185, 11.9647



7.8336, 13.8637, 1.5858



# Inverse Universe

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



39.0135, 68.0042, 15.9131



46.8071, 81.5453, 19.4964



61.6385, -23.8383, -25.5800



36.2249, 1.8141, 1.6420



30.3816, 53.0185, 11.9647



7.8336, 13.8637, 1.5858



# Previews

## White Background



This preview shows how the HunterLab color 39.0123, 68.0090, 15.9122 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 HunterLab color 39.0123, 68.0090, 15.9122 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](#).

## HunterLab 39.0123, 68.0090, 15.9122 Background



This preview shows how black text looks on a background with the HunterLab color 39.0123, 68.0090, 15.9122.



This preview shows how white text looks on a background with the HunterLab color 39.0123, 68.0090,



# 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

39.0123, 68.0090, 15.9122

### Protanopia

39.7113, -1.5453, 4.0845

### Deuteranopia

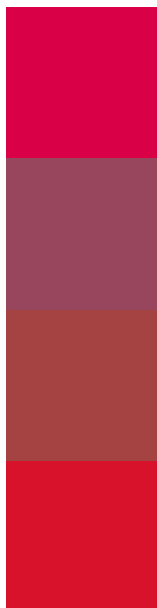
39.7577, 2.3274, 17.7429



## Tritanopia

39.4308, 61.9770, 23.9992

# Trichromacy



## Original Color

39.0123, 68.0090, 15.9122

## Protanomaly

34.3042, 28.2859, 3.3305

## Deuteranomaly

35.2236, 32.1483, 13.5915

## Tritanomaly

38.9855, 64.3408, 21.8178

# Monochromacy



## Original Color

39.0123, 68.0090, 15.9122

## Achromatopsia

25.8120, -1.3773, 1.4024

## Achromatomaly

26.0672, 27.2214, 2.2021

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 39.0123, 68.0090, 15.9122 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(217, 0, 72)` looks like.

```
.text, #text, p{  
    color:rgb(217, 0, 72)  
}
```

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(217, 0, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 0, 72) }
```

## Border

The CSS property to change the border of an element to HunterLab 39.0123, 68.0090, 15.9122 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(217, 0, 72) }
```



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

```
.border{ border-color:rgb(217, 0, 72) }
```

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

Here you see how a box with a 4 pixel rgb(217, 0, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 0, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 0, 72);  
box-shadow:4px 4px 4px 4px rgb(217, 0, 72)  
}
```

# Background

The CSS property to change the background color of an element to HunterLab 39.0123, 68.0090, 15.9122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 0, 72) }
```

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

```
.background{ background-color: rgb(217, 0,  
72) }
```

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**