

# Converting Colors

HunterLab(68.3403, 37.4527,  
-40.1912)

Have a look what the booklet for  
HunterLab(68.3403, 37.4527,  
-40.1912) contains.

<b>HunterLab(68.3419, 36.9200, -39.3187)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**HunterLab(68.3419, 36.9200,  
-39.3187)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DD9DFF
RGB	221, 157, 255
RGB Percent	87%, 62%, 100%
CMY	0.1333, 0.3843, 0.0000
CMYK	0.13, 0.38, 0.00, 0.00
HSL	279°, 100%, 81%
HSV	279°, 38%, 100%
XYZ	59.9258, 46.7062, 100.4646
YIQ	187.3080, 6.6860, 44.0460

# Conversions

## Conversions Part 2

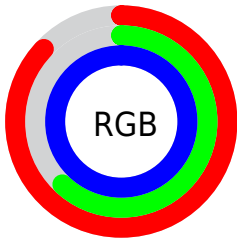
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	221, 157, 255
Decimal	14523903
CIE <sub>Lab</sub>	74.00, 40.80, -39.53
CIE <sub>LCh</sub>	74, 56.811, 315.907
Yxy	46.7080, 0.2894, 0.2255
Android (android.graphics.Color)	4292713983 (0xFFDD9DFF)
YUV	187.3080, 33.3722, 29.5479
Hunter-Lab	68.3419, 36.9200, -39.3187

# Details

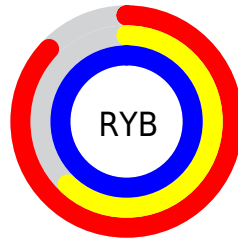
The HunterLab color  $68.3419, 36.9200, -39.3187$  is a light color, and the websafe version is hex  $CC99FF$ . A complement of this color would be  $92.2123, -38.7755, 35.6309$ , and the grayscale version is  $70.4865, -3.7610, 3.8297$ .

A 20% lighter version of the original color is  $86.9293, 17.9635, -10.6472$ , and  $46.7658, 34.3966, -38.3150$  is the 20% darker color. If you saturate the color by 10%, you get  $61.3259, 48.1987, -52.8344$ , and if you desaturate by 10%, it is  $75.9480, 25.6563, -26.6090$ .

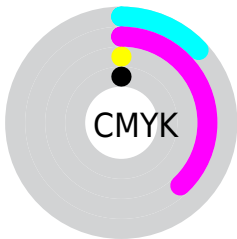
# Distribution



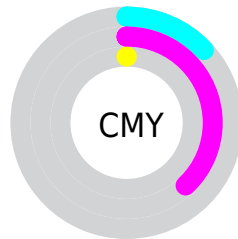
- Red (87%)
- Green (62%)
- Blue (100%)



- Red (87%)
- Yellow (62%)
- Blue (100%)



- Cyan (13%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)



- Cyan (13%)
- Magenta (38%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 68.3419, 36.9200, -39.3187 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 68.3419, 36.9200, -39.3187 by changing the saturation by 10% instead.



68.3419, 36.9200,  
-39.3187

68.3419, 36.9200,  
-39.3187

193.2997, 44.1839,  
-43.4932

57.2756, 35.6765,  
-38.6523

92.3459, 39.0950,  
-40.5586

46.8797, 34.3216,  
-37.9870

105.2202, 40.0455,  
-41.1185

37.2022, 32.8458,  
-37.3650

118.6428, 40.9129,  
-41.6322

28.3010, 31.2463,  
-36.8763

132.5920, 41.7030,  
-42.0984

20.2510, 29.5363,  
-36.7216

147.0487, 42.4209,  
-42.5170

13.1538, 27.7864,  
-37.4175

161.9958, 43.0711,

6.6567, 30.1367,

-42.8884

-44.4980

177.4175, 43.6576,  
-43.2134

0.0000, INF, -NF

0.0000, NaN, -NF

■ 68.3419, 36.9200,  
-39.3187

■ 68.3419, 36.9200,  
-39.3187

■ 61.3259, 48.1987,  
-52.8344

■ 75.9480, 25.6563,  
-26.6090

■ 55.0172, 59.1847,  
-67.0177

■ 84.0427, 14.5576,  
-14.7017

■ 49.5602, 69.3044,  
-81.4295

■ 92.5510, 3.6722,  
-3.5138

■ 45.1041, 77.6775,  
-95.2104

100.0000, -5.3358,  
5.4332

■ 41.7656, 83.2506,

-107.1110

■ 39.5262, 85.3904,  
-116.0625

■ 39.2233, 85.5780,  
-117.3418

# Harmonies

## Analogous

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



68.3433, 10.8793, -61.2150



68.3419, 36.9200, -39.3187



68.3433, 53.1058, -9.1618

# Triad

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



68.3433, 36.9182, -39.3161



68.3433, 9.2005, 36.0059



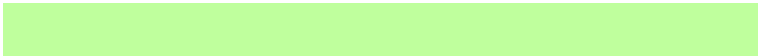
68.3433, -46.0638, -10.9386

# Complementary

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



68.3419, 36.9200, -39.3187



92.2123, -38.7755, 35.6309

# 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.



68.3433, -46.3717, 14.4985



68.3419, 36.9200, -39.3187



68.3433, -17.0591, 35.8399

# Square

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



68.3433, 36.9182, -39.3161



68.3433, 35.5289, 30.1740



68.3433, -36.5229, 29.5778



68.3433, -35.6061, -41.0360



# Rectangle

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



68.3419, 36.9200, -39.3187



68.3433, 54.7578, 8.5219



68.3433, -36.5229, 29.5778



68.3433, -47.2971, -1.4575

# Sweetspot

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



68.3433, 36.9182, -39.3161



89.4698, 7.5335, -7.4321



71.9600, -0.2844, -33.6137



40.8767, 4.1422, -4.1112

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

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



68.3433, 36.9182, -39.3161



62.9707, 45.4695, -49.4796



71.8920, 45.6837, -23.0814



42.3869, 2.2354, -2.1675



28.5044, 62.0494, -84.1748



9.2297, 19.7858, -24.8861



# Inverse Universe

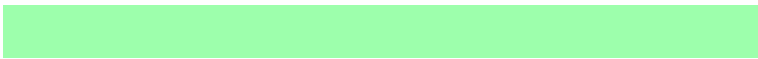
The Inverse Universe completely reimagines the original color for something new.



70.0979, 36.9953, 2.1501



65.2543, 45.4490, 2.5461



90.3636, -45.3761, 29.3765



42.5337, 2.2374, 1.8437



33.9209, 59.2624, 12.8354

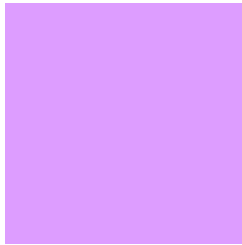


10.6771, 18.8316, 2.6609



# Previews

## White Background



This preview shows how the HunterLab color 68.3419, 36.9200, -39.3187 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

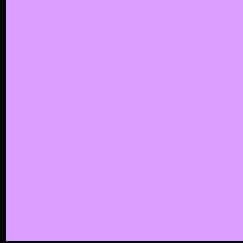
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 68.3419, 36.9200, -39.3187 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

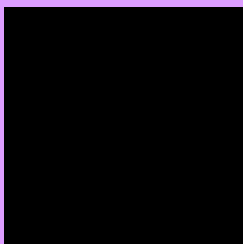
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

## HunterLab 68.3419, 36.9200, -39.3187 Background



This preview shows how black text looks on a background with the HunterLab color 68.3419, 36.9200, -39.3187.



This preview shows how white text looks on a background with the HunterLab color 68.3419, 36.9200, -39.3187.

-39.3187.

# 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

68.3419, 36.9200, -39.3187

### Protanopia

68.6525, 5.8874, -39.2992

### Deuteranopia

68.6157, 5.3930, -36.4875



## Tritanopia

68.3443, 11.2156, 2.4916

# Trichromacy



## Original Color

68.3419, 36.9200, -39.3187



## Protanomaly

68.2267, 16.2798, -39.8896



## Deuteranomaly

68.1751, 15.8341, -37.8065



## Tritanomaly

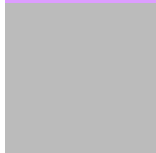
68.2545, 19.6399, -10.5628

# Monochromacy



## Original Color

68.3419, 36.9200, -39.3187



## Achromatopsia

70.4935, -3.7614, 3.8300



## Achromatomaly

69.2432, 10.1982, -10.4881

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 68.3419, 36.9200, -39.3187 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(221, 157, 255)` looks like.

```
.text, #text, p{  
    color:rgb(221, 157, 255)  
}
```

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(221, 157, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 157, 255) }
```

## Border

The CSS property to change the border of an element to HunterLab 68.3419, 36.9200, -39.3187 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(221, 157, 255) }
```



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

```
.border{ border-color:rgb(221, 157, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 157, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 157, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 157, 255); box-shadow:4px 4px 4px 4px rgb(221, 157, 255) }
```

# Background

The CSS property to change the background color of an element to HunterLab 68.3419, 36.9200, -39.3187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 157, 255) }
```

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

```
.background{ background-color: rgb(221,  
157, 255) }
```

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