

# Converting Colors

HunterLab(49.6704, 99.5932,  
-80.5800)

Have a look what the booklet for  
HunterLab(49.6704, 99.5932,  
-80.5800) contains.

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# Color

**HunterLab(49.7116, 99.6560,  
-80.4600)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EA00FF
RGB	234, 0, 255
RGB Percent	92%, 0%, 100%
CMY	0.0823, 0.9999, 0.0000
CMYK	0.08, 1.00, 0.00, 0.00
HSL	295°, 100%, 50%
HSV	295°, 100%, 100%
XYZ	51.9817, 24.7124, 96.6380
YIQ	99.0360, 57.6090, 128.9130

# Conversions

## Conversions Part 2

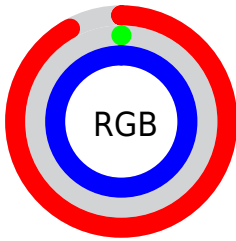
<b>Format</b>	<b>Color</b>
<b>RYB</b>	234, 0, 255
Decimal	15335679
CIELab	56.80, 95.12, -66.69
CIElCh	57, 116.173, 324.964
Yxy	24.7135, 0.2999, 0.1426
Android (android.graphics.Color)	4293525759 (0xFFEA00FF)
YUV	99.0360, 76.8903, 118.3634
Hunter-Lab	49.7116, 99.6560, -80.4600

# Details

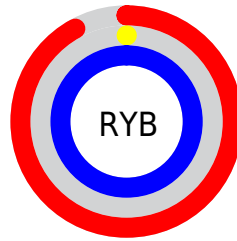
The HunterLab color **49.7116, 99.6560, -80.4600** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **84.6639, -72.1141, 50.9064**, and the grayscale version is **35.0493, -1.8701, 1.9043**.

A 20% lighter version of the original color is **61.6301, 77.6309, -51.6802**, and **35.9381, 72.7618, -63.7283** is the 20% darker color. If you saturate the color by 10%, you get **49.7115, 99.6558, -80.4603**, and if you desaturate by 10%, it is **50.7825, 97.5487, -77.4576**.

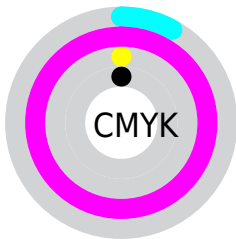
# Distribution



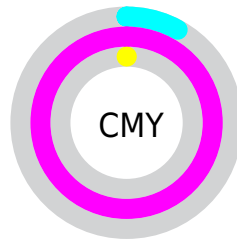
- Red (92%)
- Green (0%)
- Blue (100%)



- Red (92%)
- Yellow (0%)
- Blue (100%)



- Cyan (8%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)



- Cyan (8%)
- Magenta (100%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 49.7116, 99.6560, -80.4600 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 49.7116, 99.6560, -80.4600 by changing the saturation by 10% instead.



49.7116, 99.6560,  
-80.4600

49.7116, 99.6560,  
-80.4600

166.2552,  
122.0812, -87.0782

39.8293, 97.0848,  
-80.6308

71.5486, 105.0112,  
-81.2936

30.7047, 94.7937,  
-81.6182

83.4204, 107.6644,  
-82.0028

22.4081, 93.1573,  
-84.1478

95.8846, 110.2598,  
-82.8022

15.0324, 93.0977,  
-89.9501

108.9143,  
112.7840, -83.6491

8.6733, 97.9808,  
-104.7264

122.4860,  
115.2301, -84.5160

0.0000, INF, -NF

0.0000, NaN, -NF

136.5788,

117.5952, -85.3842

0.0000, NaN, -NF

151.1741,  
119.8787, -86.2411

■ 49.7116, 99.6560,  
-80.4600

■ 49.7116, 99.6560,  
-80.4600

■ 49.7115, 99.6558,  
-80.4603

■ 50.7825, 97.5487,  
-77.4576

■ 52.7282, 92.4372,  
-72.2721

■ 55.7142, 84.1877,  
-64.8750

■ 59.7307, 73.4632,  
-55.8178

■ 64.6991, 61.1163,  
-45.7610

70.5089, 47.9081,  
-35.2685

77.0442, 34.3895,  
-24.7298

84.1984, 20.9021,  
-14.3714

91.8793, 7.6285,  
-4.3016

# Harmonies

## Analogous

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



49.7127, 43.3830, -164.8423



49.7116, 99.6560, -80.4600



49.7127, 129.3139, -5.7697

# Triad

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



49.7127, 99.6539, -80.4570



49.7127, 5.8385, 34.7989



49.7127, -62.2671, -51.5119

# Complementary

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



49.7116, 99.6560, -80.4600



84.6639, -72.1141, 50.9064

# 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.



49.7127, -65.7886, 9.9104



49.7116, 99.6560, -80.4600



49.7127, -36.3369, 34.7989

# Square

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



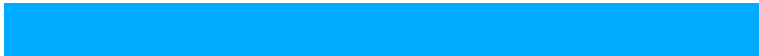
49.7127, 99.6539, -80.4570



49.7127, 63.3681, 34.5653



49.7127, -58.4571, 31.4963



49.7127, -45.8154, -139.5339



# Rectangle

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



49.7116, 99.6560, -80.4600



49.7127, 124.0819, 20.6554



49.7127, -58.4571, 31.4963



49.7127, -64.6471, -26.2428

# Sweetspot

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



49.7127, 99.6539, -80.4570



77.0355, 34.4067, -24.7431



27.8691, 68.5915, -182.8992



34.3279, 18.5604, -13.4974

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

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



49.7127, 99.6539, -80.4570



49.7115, 99.6558, -80.4603



48.3974, 87.3461, -3.3607



42.6847, 3.2361, -1.7689



35.9784, 72.0996, -58.0328



11.3222, 22.6338, -17.8323



# Inverse Universe

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



46.1681, 79.1779, 28.9217



46.1672, 79.1801, 28.9231



85.1859, -68.6618, 41.7475



42.4398, 1.7324, 3.1834



33.3848, 57.2824, 20.7211



10.4553, 18.0150, 5.9029



# Previews

## White Background



This preview shows how the HunterLab color 49.7116, 99.6560, -80.4600 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

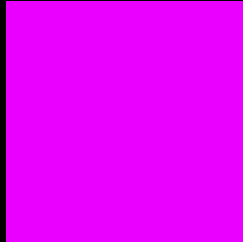
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 49.7116, 99.6560, -80.4600 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

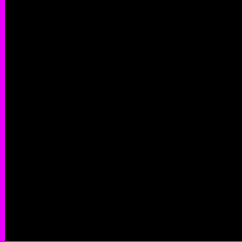
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# HunterLab 49.7116, 99.6560, -80.4600 Background



This preview shows how black text looks on a background with the HunterLab color 49.7116, 99.6560, -80.4600.



This preview shows how white text looks on a background with the HunterLab color 49.7116, 99.6560, -80.4600.

-80.4600.

# 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

49.7116, 99.6560, -80.4600

### Protanopia

50.6061, 14.3417, -79.4079

### Deuteranopia

50.4842, 4.9152, -65.6232



## Tritanopia

49.7743, 40.3119, 14.8072

# Trichromacy



## Original Color

49.7116, 99.6560, -80.4600

## Protanomaly

42.9684, 51.5273, -103.1656

## Deuteranomaly

41.7416, 44.3045, -96.2070

## Tritanomaly

46.8273, 65.5636, -12.6894

# Monochromacy



## Original Color

49.7116, 99.6560, -80.4600

## Achromatopsia

35.3231, -1.8847, 1.9192

## Achromatomaly

35.0017, 40.6960, -30.9975

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 49.7116, 99.6560, -80.4600 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(234, 0, 255)` looks like.

```
.text, #text, p{  
  color:rgb(234, 0, 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(234, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 0, 255) }
```

## Border

The CSS property to change the border of an element to HunterLab 49.7116, 99.6560, -80.4600 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(234, 0, 255) }
```



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

```
.border{ border-color:rgb(234, 0, 255) }
```

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

Here you see how a box with a 4 pixel rgb(234, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(234, 0,  
255) }
```

# Background

The CSS property to change the background color of an element to HunterLab 49.7116, 99.6560, -80.4600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 0, 255) }
```

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

```
.background{ background-color: rgb(234, 0,  
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](#).

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