

# Converting Colors

HunterLab(87.2701, -60.2000,  
45.2022)

Have a look what the booklet for  
HunterLab(87.2701, -60.2000,  
45.2022) contains.

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# Color

**HunterLab(87.2619,  
-60.2336, 45.1969)**

# Conversions

## Conversions Part 1

Format	Color
Hex	75FF60
RGB	117, 255, 96
RGB Percent	46%, 100%, 38%
CMY	0.5412, 0.0000, 0.6235
CMYK	0.54, 0.00, 0.62, 0.00
HSL	112°, 100%, 69%
HSV	112°, 62%, 100%
XYZ	45.2074, 76.1464, 23.3813
YIQ	195.6120, -31.2090, -78.7050

# Conversions

## Conversions Part 2

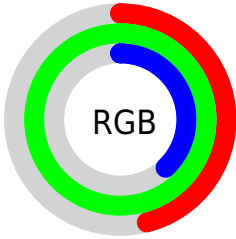
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">96, 255, 234</a>
Decimal	<a href="#">7733088</a>
CIELab	<a href="#">89.93, -66.29, 62.87</a>
CIELCh	<a href="#">90, 91.356, 136.517</a>
Yxy	<a href="#">76.1465, 0.3123, 0.5261</a>
Android (android.graphics.Color)	<a href="#">4285923168 (0xFF75FF60)</a>
YUV	<a href="#">195.6120, -49.1087, -68.9427</a>
Hunter-Lab	<a href="#">87.2619, -60.2336, 45.1969</a>

# Details

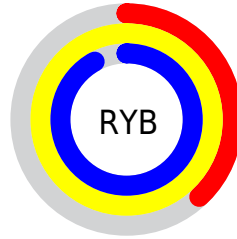
The HunterLab color  $87.2619, -60.2336, 45.1969$  is a light color, and the websafe version is hex  $66FF66$ . A complement of this color would be  $57.5150, 73.6634, -60.7973$ , and the grayscale version is  $74.3444, -3.9668, 4.0393$ .

A 20% lighter version of the original color is  $91.3076, -42.4574, 36.2307$ , and  $63.7369, -51.6567, 36.7419$  is the 20% darker color. If you saturate the color by 10%, you get  $86.2522, -64.8764, 47.9717$ , and if you desaturate by 10%, it is  $88.5513, -54.3533, 41.3927$ .

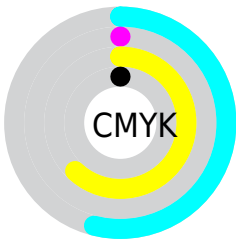
# Distribution



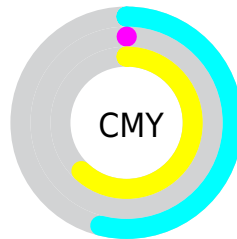
- Red (46%)
- Green (100%)
- Blue (38%)



- Red (38%)
- Yellow (100%)
- Blue (92%)



- Cyan (54%)
- Magenta (0%)
- Yellow (62%)
- Black (0%)




- Cyan (54%)
- Magenta (0%)
- Yellow (62%)


# Brightness & Saturation Gradients

These gradients show how the HunterLab color 87.2619, -60.2336, 45.1969 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 87.2619, -60.2336, 45.1969 by changing the saturation by 10% instead.





 87.2619, -60.2336,  
45.1969

 87.2619, -60.2336,  
45.1969


219.5106,  
-92.7159, 77.2543

 75.2015, -56.0668,  
41.0764


 113.1079,  
-68.1099, 52.9913

 63.7544, -51.7068,  
36.7764


 126.8450,  
-71.8658, 56.7059

 52.9554, -47.1093,  
32.2681


 141.0971,  
-75.5229, 60.3194

 42.8461, -42.2147,  
27.5229

 155.8463,  
-79.0943, 63.8446

 33.4772, -36.9386,  
22.6942

171.0763,  
-82.5910, 67.2922

 24.9126, -31.1587,  
17.4389


186.7725,

 17.2366, -25.2073,


-86.0219, 70.6713


12.0656


202.9214,  
-89.3947, 73.9897


 10.5670, -18.4922,  
7.3969


0.0000, NaN, NaN


 87.2619, -60.2336,  
45.1969


 87.2619, -60.2336,  
45.1969


 86.2522, -64.8764,  
47.9717


 88.5513, -54.3533,  
41.3927


 85.5077, -68.3054,  
49.7719

 90.1285, -47.2554,  
36.5494

 85.0072, -70.5922,  
50.6996

 91.9968, -38.9927,  
30.6875

 84.7671, -71.6734,  
50.9783

 94.1553, -29.6443,  
23.8547

■ 96.5992, -19.3073,  
16.1179

■ 99.3208, -8.0892,  
7.5565

■ 100.0000, -5.3358,  
5.4332

# Harmonies

## Analogous

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



87.2620, -28.5165, 53.1430



87.2619, -60.2336, 45.1969



87.2620, -75.3549, 22.2503

# Triad

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



87.2620, -60.2332, 45.1962



87.2620, -24.4285, -123.9296



87.2620, 97.9284, 25.5284

# Complementary

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



87.2619, -60.2336, 45.1969



57.5150, 73.6634, -60.7973

# 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.



87.2620, 99.6628, -17.3478



87.2619, -60.2336, 45.1969



87.2620, 22.0695, -121.3810

# Square

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



87.2620, -60.2332, 45.1962



87.2620, -57.7799, -81.5453



87.2620, 69.6344, -75.7444



87.2620, 65.2981, 46.5192



# Rectangle

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



87.2619, -60.2336, 45.1969



87.2620, -76.5647, -5.4007



87.2620, 69.6344, -75.7444



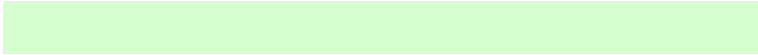
87.2620, 102.3475, 13.8109

# Sweetspot

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



87.2620, -60.2332, 45.1962



94.9428, -26.2852, 21.3590



89.9093, -12.9724, 47.8762



43.6130, -13.4904, 10.8701

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

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



87.2620, -60.2332, 45.1962



86.0299, -65.9009, 48.5403



87.3786, -58.0386, 31.9921



45.0367, -7.4943, 6.3665



61.3031, -51.6873, 36.8698



19.2171, -15.7522, 11.5657



# Inverse Universe

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



57.5150, 73.6634, -60.7973



52.5733, 85.9787, -72.7941



58.0036, 69.1882, -16.8591



42.6281, 3.0466, -1.8444



34.4660, 69.9697, -62.5768

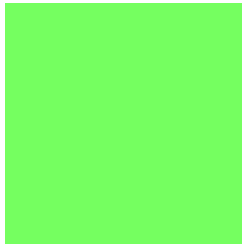


10.9039, 22.0419, -19.0674



# Previews

## White Background



This preview shows how the HunterLab color 87.2619, -60.2336, 45.1969 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 87.2619, -60.2336, 45.1969 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

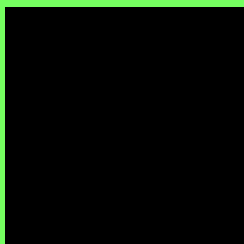
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

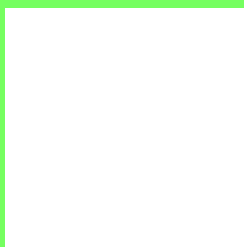
Any Text WCAG AAA ✓ Pass

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

## HunterLab 87.2619, -60.2336, 45.1969 Background



This preview shows how black text looks on a background with the HunterLab color 87.2619, -60.2336, 45.1969.



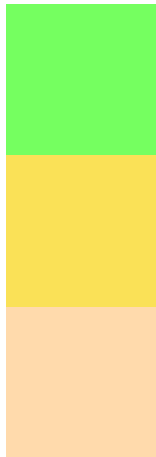
This preview shows how white text looks on a background with the HunterLab color 87.2619,

-60.2336, 45.1969.

# 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

87.2619, -60.2336, 45.1969

### Protanopia

86.5231, -10.9852, 46.9441

### Deuteranopia

86.2446, 1.7280, 26.3423



## Tritanopia

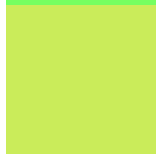
86.7536, -22.5401, -11.5951

# Trichromacy



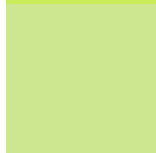
## Original Color

87.2619, -60.2336, 45.1969



## Protanomaly

85.6070, -32.6333, 45.4801



## Deuteranomaly

84.9380, -25.0990, 33.4808



## Tritanomaly

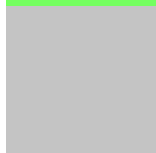
86.4071, -39.8030, 16.3010

# Monochromacy



## Original Color

87.2619, -60.2336, 45.1969



## Achromatopsia

74.2975, -3.9643, 4.0367



## Achromatomaly

77.7041, -27.7981, 22.0179

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 87.2619, -60.2336, 45.1969 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(117, 255, 96)` looks like.

```
.text, #text, p{  
    color:rgb(117, 255, 96)  
}
```

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(117, 255, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 255, 96) }
```

## Border

The CSS property to change the border of an element to HunterLab 87.2619, -60.2336, 45.1969 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(117, 255, 96) }
```



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

```
.border{ border-color:rgb(117, 255, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 255, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 255, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 255, 96);  
box-shadow:4px 4px 4px 4px rgb(117, 255,  
96) }
```

# Background

The CSS property to change the background color of an element to HunterLab 87.2619, -60.2336, 45.1969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 255, 96) }
```

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

```
.background{ background-color: rgb(117,  
255, 96) }
```

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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