

# Converting Colors

HunterLab(87.6669, -56.6719,  
30.7838)

Have a look what the booklet for  
HunterLab(87.6669, -56.6719,  
30.7838) contains.

|                                                    |    |
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# Color

**HunterLab(87.6630,  
-56.6955, 30.8404)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 66FF9F                       |
| RGB         | 102, 255, 159                |
| RGB Percent | 40%, 100%, 62%               |
| CMY         | 0.6000, 0.0000, 0.3765       |
| CMYK        | 0.60, 0.00, 0.38, 0.00       |
| HSL         | 142°, 100%, 70%              |
| HSV         | 142°, 60%, 100%              |
| XYZ         | 47.4975, 76.8480, 45.1307    |
| YIQ         | 198.3090, -60.3720, -62.2920 |

# Conversions

## Conversions Part 2

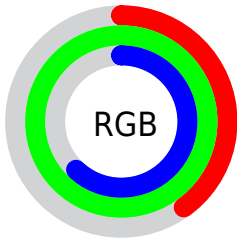
| <b>Format</b>                       | <b>Color</b>                                 |
|-------------------------------------|----------------------------------------------|
| <a href="#">RYB</a>                 | <a href="#">102, 213, 255</a>                |
| Decimal                             | <a href="#">6750111</a>                      |
| CIELab                              | <a href="#">90.25, -61.20, 34.07</a>         |
| CIELCh                              | <a href="#">90, 70.047, 150.895</a>          |
| Yxy                                 | <a href="#">76.8482, 0.2803, 0.4534</a>      |
| Android<br>(android.graphics.Color) | <a href="#">4284940191<br/>(0xFF66FF9F)</a>  |
| YUV                                 | <a href="#">198.3090, -19.3793, -84.4630</a> |
| Hunter-Lab                          | <a href="#">87.6630, -56.6955, 30.8404</a>   |

# Details

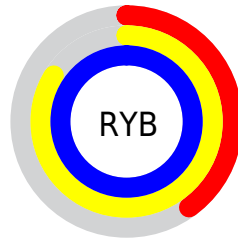
The HunterLab color **87.6630, -56.6955, 30.8404** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **59.0258, 66.6129, -16.1274**, and the grayscale version is **75.3775, -4.0220, 4.0954**.

A 20% lighter version of the original color is **91.8555, -37.5154, 14.8804**, and **64.0770, -48.8052, 26.0126** is the 20% darker color. If you saturate the color by 10%, you get **86.6374, -61.5001, 34.5242**, and if you desaturate by 10%, it is **88.9752, -50.7325, 26.9110**.

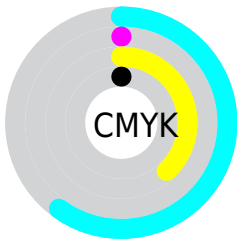
# Distribution



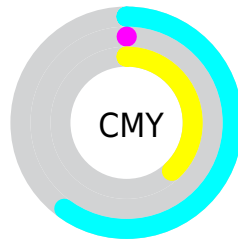
- Red (40%)
- Green (100%)
- Blue (62%)



- Red (40%)
- Yellow (84%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)




- Cyan (60%)
- Magenta (0%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the HunterLab color 87.6630, -56.6955, 30.8404 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 87.6630, -56.6955, 30.8404 by changing the saturation by 10% instead.





 87.6630, -56.6955,  
30.8404


 87.6630, -56.6955,  
30.8404


220.0560,  
-87.0669, 50.7167


 75.5833, -52.8274,  
28.4201


 113.5452,  
-64.0245, 35.4946

 64.1157, -48.7877,  
25.9195


 127.2993,  
-67.5279, 37.7515

 53.2951, -44.5361,  
23.3173


 141.5678,  
-70.9441, 39.9723

 43.1627, -40.0186,  
20.5858

156.3328,  
-74.2849, 42.1632

 33.7689, -35.1585,  
17.6874

171.5782,  
-77.5601, 44.3291

 25.1770, -29.8432,  
14.5703

187.2893,

 17.4705, -24.0661,

-80.7778, 46.4744

12.0289

203.4527,  
-83.9447, 48.6026

■ 10.7659, -18.8403,  
7.5361

■ 1.6693, -2.9213,  
1.1685

■ 87.6630, -56.6955,  
30.8404

■ 87.6630, -56.6955,  
30.8404

■ 86.6374, -61.5001,  
34.5242

■ 88.9752, -50.7325,  
26.9110

■ 85.8815, -65.1670,  
37.9164


■ 90.5838, -43.6354,  
22.7905


■ 85.3703, -67.7637,  
40.9732

■ 92.4930, -35.4592,  
18.5317

■ 85.0566, -69.4679,  
43.6480

■ 94.7024, -26.2841,  
14.1872

 85.0566, -69.4680,  
43.6482

 97.2074, -16.2073,  
9.8063

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.



87.6631, -37.0427, 44.1992



87.6630, -56.6955, 30.8404



87.6631, -63.0136, 3.7518

# Triad

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



87.6631, -56.6948, 30.8397



87.6631, -3.6138, -88.1169



87.6631, 61.8998, 31.9886

# Complementary

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



87.6630, -56.6955, 30.8404



59.0258, 66.6129, -16.1274

# 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.



87.6631, 74.5193, 5.7796



87.6630, -56.6955, 30.8404



87.6631, 33.1820, -71.2119

# Square

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



87.6631, -56.6948, 30.8397



87.6631, -35.4682, -73.0084



87.6631, 63.2666, -33.0421



87.6631, 31.0428, 44.6528



# Rectangle

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



87.6630, -56.6955, 30.8404



87.6631, -59.7612, -21.6824



87.6631, 63.2666, -33.0421



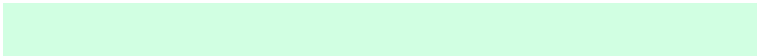
87.6631, 68.6166, 24.9109

# Sweetspot

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



87.6631, -56.6948, 30.8397



95.1798, -24.3385, 13.3129



91.9826, -41.2639, 47.8538



43.7149, -12.5649, 6.7478

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

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



87.6631, -56.6948, 30.8397



86.4652, -62.3235, 35.2279



89.6214, -44.9482, 2.6406



45.0334, -7.2577, 4.4365



61.5052, -50.0813, 31.2350



19.2447, -15.2981, 8.9701



# Inverse Universe

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



59.0258, 66.6129, -16.1274



54.2109, 77.8179, -16.4055



56.7260, 56.5842, 16.5635



42.6367, 2.7900, 0.3773



35.3056, 64.3026, -6.9589

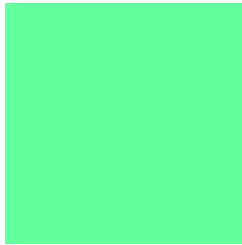


11.1123, 20.4087, -3.5061



# Previews

## White Background



This preview shows how the HunterLab color 87.6630, -56.6955, 30.8404 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 87.6630, -56.6955, 30.8404 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

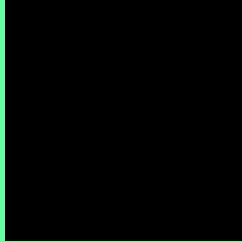
Any Text WCAG AA ✓ Pass

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 87.6630, -56.6955, 30.8404 Background



This preview shows how black text looks on a background with the HunterLab color 87.6630, -56.6955, 30.8404.



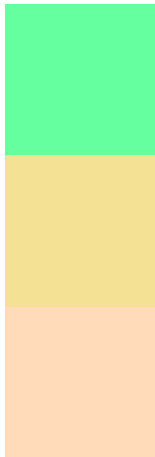
This preview shows how white text looks on a background with the HunterLab color 87.6630,

-56.6955, 30.8404.

# 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

87.6630, -56.6955, 30.8404

### Protanopia

86.8156, -8.3144, 34.4980

### Deuteranopia

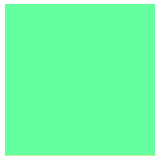
86.8724, 2.9712, 21.8775



## Tritanopia

87.2474, -24.1568, -10.9533

# Trichromacy



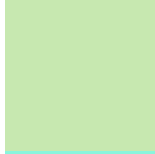
## Original Color

87.6630, -56.6955, 30.8404



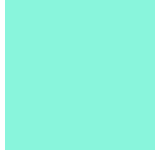
## Protanomaly

85.7687, -30.2741, 32.0809



## Deuteranomaly

85.4341, -23.6355, 23.7254



## Tritanomaly

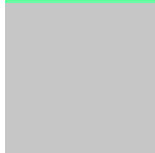
87.0577, -37.7619, 6.8700

# Monochromacy



## Original Color

87.6630, -56.6955, 30.8404



## Achromatopsia

75.1473, -4.0097, 4.0829



## Achromatomaly

78.6831, -26.3357, 13.8525

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 87.6630, -56.6955, 30.8404 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(102, 255, 159)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 159)  
}
```

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(102, 255, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 159) }
```

## Border

The CSS property to change the border of an element to HunterLab 87.6630, -56.6955, 30.8404 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(102, 255, 159) }
```



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

```
.border{ border-color:rgb(102, 255, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 255, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 159);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
159) }
```

# Background

The CSS property to change the background color of an element to HunterLab 87.6630, -56.6955, 30.8404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 159) }
```

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

```
.background{ background-color: rgb(102,  
255, 159) }
```

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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