

# Converting Colors

HunterLab(88.7449, -23.5157,  
-49.3375)

Have a look what the booklet for  
HunterLab(88.7449, -23.5157,  
-49.3375) contains.

<b>HunterLab(86.1570, -38.8755, -12.6965)</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(86.1570,  
-38.8755, -12.6965)**

# Conversions

## Conversions Part 1

Format	Color
Hex	50F5FF
RGB	80, 245, 255
RGB Percent	31%, 96%, 100%
CMY	0.6862, 0.0392, 0.0000
CMYK	0.69, 0.04, 0.00, 0.00
HSL	183°, 100%, 66%
HSV	183°, 69%, 100%
XYZ	54.0107, 74.2303, 106.0889
YIQ	196.8050, -101.5500, -31.8700

# Conversions

## Conversions Part 2

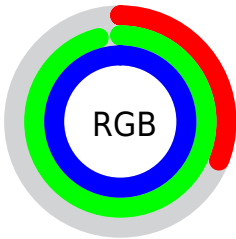
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	80, 165, 255
Decimal	5305855
CIE Lab	89.03, -38.58, -17.18
CIE LCh	89, 42.232, 204.010
Yxy	74.2330, 0.2305, 0.3168
Android (android.graphics.Color)	4283495935 (0xFF50F5FF)
YUV	196.8050, 28.6901, -102.4380
Hunter-Lab	86.1570, -38.8755, -12.6965

# Details

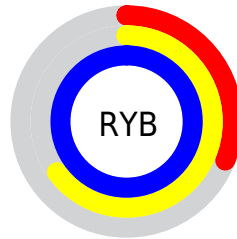
The HunterLab color **86.1570, -38.8755, -12.6965** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **53.9934, 58.7266, 25.9624**, and the grayscale version is **74.5546, -3.9780, 4.0507**.

A 20% lighter version of the original color is **92.3169, -33.1901, -4.4571**, and **63.2801, -31.2607, -11.6118** is the 20% darker color. If you saturate the color by 10%, you get **85.1161, -40.2935, -14.1589**, and if you desaturate by 10%, it is **87.4335, -36.5752, -10.9191**.

# Distribution



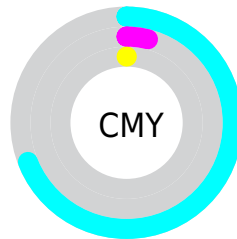
- Red (31%)
- Green (96%)
- Blue (100%)



- Red (31%)
- Yellow (65%)
- Blue (100%)



- Cyan (69%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (69%)
- Magenta (4%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 86.1570, -38.8755, -12.6965 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 86.1570, -38.8755, -12.6965 by changing the saturation by 10% instead.



86.1570, -38.8755,  
-12.6965

86.1570, -38.8755,  
-12.6965

218.0085,  
-60.2634, -10.8314

74.1517, -36.2627,  
-12.6601

111.9044,  
-43.8989, -12.5985

62.7611, -33.5599,  
-12.5660

125.5944,  
-46.3317, -12.4750

52.0220, -30.7446,  
-12.4079

139.8012,  
-48.7236, -12.3048

41.9767, -27.7847,  
-12.1816

154.5066,  
-51.0812, -12.0904

32.6770, -24.6335,  
-11.8839

169.6942,  
-53.4098, -11.8340

24.1881, -21.2192,  
-11.5154

185.3493,

16.5966, -17.4235,

-55.7140, -11.5375

-11.0897

201.4582,  
-57.9974, -11.2028

■ 10.0246, -17.3887,  
-10.6707

0.0000, NaN, -NF

■ 86.1570, -38.8755,  
-12.6965

■ 86.1570, -38.8755,  
-12.6965

■ 85.1161, -40.2935,  
-14.1589

■ 87.4335, -36.5752,  
-10.9191

■ 84.2848, -40.8960,  
-15.3317

■ 88.9550, -33.3597,  
-8.8280

■ 83.6280, -40.8199,  
-16.2577

■ 90.7313, -29.2285,  
-6.4267

■ 83.5436, -40.7860,  
-16.3769

■ 92.7658, -24.2051,  
-3.7292

■ 95.0581, -18.3327,  
-0.7557

■ 97.6046, -11.6682,  
2.4697

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.



86.1585, -41.6283, 8.6526



86.1570, -38.8755, -12.6965



86.1585, -27.3471, -33.1115

# Triad

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



86.1585, -38.8760, -12.6944



86.1585, 31.0585, -21.4548



86.1585, -0.2914, 35.1092

# Complementary

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



86.1570, -38.8755, -12.6965



53.9934, 58.7266, 25.9624

# 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.



86.1585, 20.7790, 30.6086



86.1570, -38.8755, -12.6965



86.1585, 39.9736, 0.5294

# Square

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



86.1585, -38.8760, -12.6944



86.1585, 12.6832, -38.9677



86.1585, 36.0408, 19.0690



86.1585, -20.6233, 33.2021

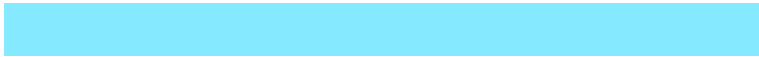


# Rectangle

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



86.1570, -38.8755, -12.6965



86.1585, -15.5834, -41.7321



86.1585, 36.0408, 19.0690



86.1585, 6.9589, 34.3387

# Sweetspot

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



86.1585, -38.8760, -12.6944



94.4900, -19.8026, -1.4862



85.9902, -65.6602, 45.3570



43.4185, -9.9251, -1.0717

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

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



86.1585, -38.8760, -12.6944



84.8131, -40.5834, -14.5861



57.9986, 2.2670, -60.9361



45.0479, -5.6840, 1.0067



60.4536, -29.5604, -11.7494



19.0010, -9.3919, -3.4752



# Inverse Universe

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



57.9584, 85.1822, -51.1690



54.4799, 96.0012, -57.0771



72.7943, 15.4794, 38.9433



42.7568, 3.4328, -1.3280



37.9702, 73.7383, -43.0083

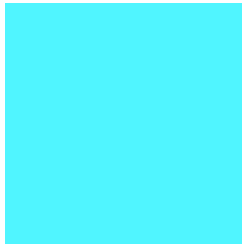


11.8702, 23.0861, -13.7093



# Previews

## White Background



This preview shows how the HunterLab color 86.1570, -38.8755, -12.6965 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

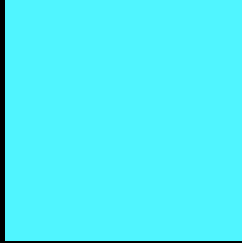
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 86.1570, -38.8755, -12.6965 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

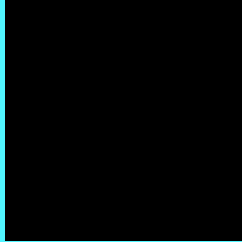
Any Text WCAG AA ✓ Pass

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 86.1570, -38.8755, -12.6965 Background



This preview shows how black text looks on a background with the HunterLab color 86.1570, -38.8755, -12.6965.



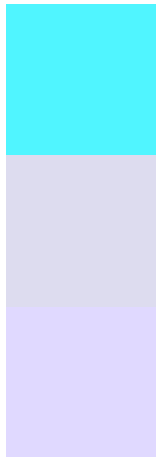
This preview shows how white text looks on a background with the HunterLab color 86.1570,

-38.8755, -12.6965.

# 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

86.1570, -38.8755, -12.6965

### Protanopia

85.3174, -0.7768, -4.1907

### Deuteranopia

85.2602, 4.8899, -13.1678



## Tritanopia

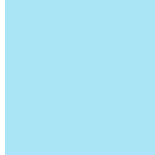
85.8943, -29.2084, -12.8883

# Trichromacy



## Original Color

86.1570, -38.8755, -12.6965



## Protanomaly

84.3666, -18.4142, -9.0454



## Deuteranomaly

84.2193, -14.8484, -14.9679



## Tritanomaly

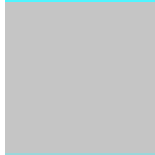
85.7761, -33.1822, -13.1207

# Monochromacy



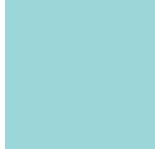
## Original Color

86.1570, -38.8755, -12.6965



## Achromatopsia

74.7222, -3.9870, 4.0598



## Achromatomaly

77.4759, -20.3214, -3.3756

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 86.1570, -38.8755, -12.6965 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(80, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(80, 245, 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(80, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 245, 255) }
```

## Border

The CSS property to change the border of an element to HunterLab 86.1570, -38.8755, -12.6965 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(80, 245, 255) }
```



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

```
.border{ border-color:rgb(80, 245, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(80, 245,  
255) }
```

# Background

The CSS property to change the background color of an element to HunterLab 86.1570, -38.8755, -12.6965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 245, 255) }
```

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

```
.background{ background-color: rgb(80, 245,  
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