

# Converting Colors

HunterLab(89.8726, -42.5785,  
-7.7802)

Have a look what the booklet for  
HunterLab(89.8726, -42.5785,  
-7.7802) contains.

<b>HunterLab(89.8700, -42.5883, -7.7837)</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(89.8700,  
-42.5883, -7.7837)**

# Conversions

## Conversions Part 1

Format	Color
Hex	57FFFF
RGB	87, 255, 255
RGB Percent	34%, 100%, 100%
CMY	0.6588, 0.0000, 0.0000
CMYK	0.66, 0.00, 0.00, 0.00
HSL	180°, 100%, 67%
HSV	180°, 66%, 100%
XYZ	57.7404, 80.7662, 107.1539
YIQ	204.7680, -100.1280, -35.6160

# Conversions

## Conversions Part 2

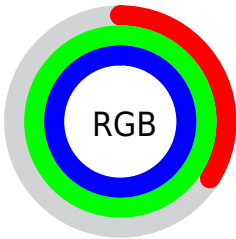
<b>Format</b>	<b>Color</b>
<b>RYB</b>	87, 171, 255
Decimal	5767167
CIELab	92.03, -42.17, -12.68
CIELCh	92, 44.035, 196.737
Yxy	80.7667, 0.2350, 0.3288
Android (android.graphics.Color)	4283957247 (0xFF57FFFF)
YUV	204.7680, 24.7644, -103.2825
Hunter-Lab	89.8700, -42.5883, -7.7837

# Details

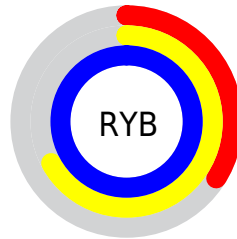
The HunterLab color **89.8700, -42.5883, -7.7837** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **53.6342, 60.4631, 24.1376**, and the grayscale version is **77.9643, -4.1600, 4.2359**.

A 20% lighter version of the original color is **92.6326, -31.9975, -4.0346**, and **66.6824, -35.3518, -7.0328** is the 20% darker color. If you saturate the color by 10%, you get **89.3019, -44.8112, -8.5697**, and if you desaturate by 10%, it is **90.6743, -39.4681, -6.6799**.

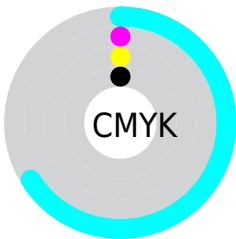
# Distribution



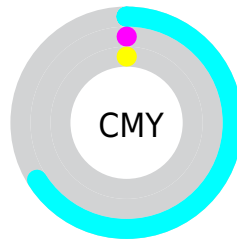
- Red (34%)
- Green (100%)
- Blue (100%)



- Red (34%)
- Yellow (67%)
- Blue (100%)



- Cyan (66%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)



- Cyan (66%)
- Magenta (0%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 89.8700, -42.5883, -7.7837 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 89.8700, -42.5883, -7.7837 by changing the saturation by 10% instead.



89.8700, -42.5883,  
-7.7837

89.8700, -42.5883,  
-7.7837

223.0500,  
-65.2753, -4.5062

77.6849, -39.8036,  
-7.9278

115.9496,  
-47.9322, -7.3443

66.1063, -36.9235,  
-8.0174

129.7964,  
-50.5177, -7.0561

55.1680, -33.9235,  
-8.0473

144.1544,  
-53.0574, -6.7255

44.9099, -30.7710,  
-8.0124

159.0059,  
-55.5583, -6.3548

35.3807, -27.4198,  
-7.9065

174.3350,  
-58.0261, -5.9458

26.6411, -23.7999,  
-7.7230

190.1274,

18.7700, -19.7998,

-60.4656, -5.5004

-7.4566

206.3698,  
-62.8809, -5.0201

■ 11.8767, -17.2349,  
-7.1120

■ 4.7380, -8.2915,  
-10.9587

■ 89.8700, -42.5883,  
-7.7837

■ 89.8700, -42.5883,  
-7.7837

■ 89.3019, -44.8112,  
-8.5697

■ 90.6743, -39.4681,  
-6.6799

■ 88.9468, -46.2091,  
-9.0639

■ 91.7301, -35.4185,  
-5.2464

■ 88.7738, -46.8922,  
-9.3053

■ 93.0486, -30.4326,  
-3.4801

■ 88.7356, -47.0433,  
-9.3587

■ 94.6362, -24.5302,  
-1.3872

■ 96.4951, -17.7522,  
1.0187

■ 98.6240, -10.1558,  
3.7184

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.



89.8703, -43.1476, 13.8301



89.8700, -42.5883, -7.7837



89.8703, -32.5671, -30.5294

# Triad

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



89.8703, -42.5873, -7.7833



89.8703, 28.9201, -28.1272



89.8703, 5.3415, 36.4346

# Complementary

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



89.8700, -42.5883, -7.7837



53.6342, 60.4631, 24.1376

# 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.



89.8703, 26.8101, 29.9948



89.8700, -42.5883, -7.7837



89.8703, 41.2986, -5.0705

# Square

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



89.8703, -42.5873, -7.7833



89.8703, 7.9994, -44.1107



89.8703, 40.4905, 15.9535



89.8703, -16.9210, 36.0502



# Rectangle

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



89.8700, -42.5883, -7.7837



89.8703, -21.2551, -41.7186



89.8703, 40.4905, 15.9535



89.8703, 12.9312, 35.0798

# Sweetspot

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



89.8703, -42.5873, -7.7833



95.6961, -20.6485, -0.0097



86.1597, -64.9847, 45.7472



44.0335, -10.4288, -0.3154

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

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



89.8703, -42.5873, -7.7833



89.1694, -45.3320, -8.7538



61.9471, -3.1026, -52.4325



45.2565, -6.0147, 1.2523



64.1431, -34.0056, -6.7650



20.0150, -10.6110, -2.1109



# Inverse Universe

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



59.4121, 84.4040, -56.3262



55.7464, 96.4475, -64.5824



71.4675, 18.6076, 36.8815



42.7790, 3.5516, -1.6432



38.5764, 75.8426, -50.8800

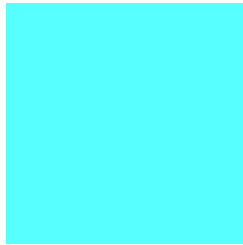


12.0372, 23.6656, -15.8764



# Previews

## White Background



This preview shows how the HunterLab color 89.8700, -42.5883, -7.7837 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

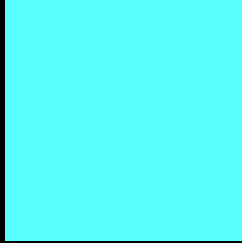
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 89.8700, -42.5883, -7.7837 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

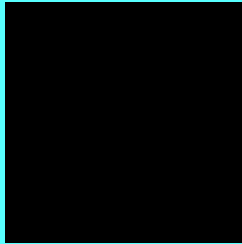
Any Text WCAG AA ✓ Pass

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 89.8700, -42.5883, -7.7837 Background



This preview shows how black text looks on a background with the HunterLab color 89.8700, -42.5883, -7.7837.



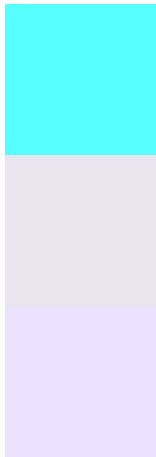
This preview shows how white text looks on a background with the HunterLab color 89.8700,

-42.5883, -7.7837.

# 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

89.8700, -42.5883, -7.7837

### Protanopia

89.1215, -1.9849, 0.5545

### Deuteranopia

89.1322, 3.9064, -7.9410



## Tritanopia

89.4940, -22.7529, -7.9304

# Trichromacy



## Original Color

89.8700, -42.5883, -7.7837



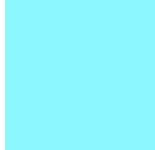
## Protanomaly

87.9348, -20.6296, -4.4220



## Deuteranomaly

88.1666, -17.3783, -9.5979



## Tritanomaly

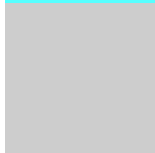
89.1091, -31.1533, -8.5854

# Monochromacy



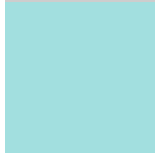
## Original Color

89.8700, -42.5883, -7.7837



## Achromatopsia

78.1342, -4.1690, 4.2452



## Achromatomaly

81.1076, -21.7598, -1.4357

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 89.8700, -42.5883, -7.7837 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(87, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(87, 255, 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(87, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 255, 255) }
```

## Border

The CSS property to change the border of an element to HunterLab 89.8700, -42.5883, -7.7837 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(87, 255, 255) }
```



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

```
.border{ border-color:rgb(87, 255, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(87, 255,  
255) }
```

# Background

The CSS property to change the background color of an element to HunterLab 89.8700, -42.5883, -7.7837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 255, 255) }
```

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

```
.background{ background-color: rgb(87, 255,  
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