

# Converting Colors

HunterLab(87.0562, -33.2168,  
15.0885)

Have a look what the booklet for  
HunterLab(87.0562, -33.2168,  
15.0885) contains.

<b>HunterLab(87.1066, -33.2978, 15.0584)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**HunterLab(87.1066,  
-33.2978, 15.0584)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A6F2CA
RGB	166, 242, 202
RGB Percent	65%, 95%, 79%
CMY	0.3490, 0.0510, 0.2078
CMYK	0.31, 0.00, 0.17, 0.05
HSL	148°, 75%, 80%
HSV	148°, 31%, 95%
XYZ	58.1388, 75.8756, 67.4584
YIQ	214.7160, -32.4560, -28.5520

# Conversions

## Conversions Part 2

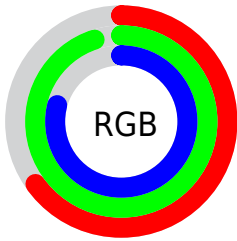
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	166, 218, 242
Decimal	10941130
CIE <sub>Lab</sub>	89.80, -31.61, 11.92
CIE <sub>LCh</sub>	90, 33.779, 159.339
Yxy	75.8787, 0.2886, 0.3766
Android (android.graphics.Color)	4289131210 (0xFFA6F2CA)
YUV	214.7160, -6.2690, -42.7239
Hunter-Lab	87.1066, -33.2978, 15.0584

# Details

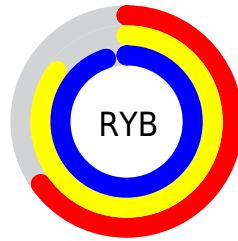
The HunterLab color  $87.1066, -33.2978, 15.0584$  is a light color, and the websafe version is hex  $99FFCC$ . A complement of this color would be  $71.1392, 29.5627, -4.3160$ , and the grayscale version is  $82.3496, -4.3940, 4.4742$ .

A 20% lighter version of the original color is  $97.1741, -15.3107, 1.8860$ , and  $63.7971, -28.8644, 12.7685$  is the 20% darker color. If you saturate the color by 10%, you get  $85.3967, -40.5656, 18.3804$ , and if you desaturate by 10%, it is  $89.0917, -25.1350, 11.7899$ .

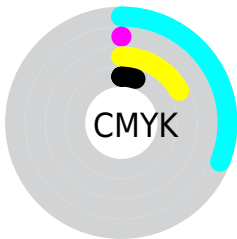
# Distribution



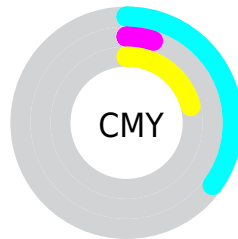
- Red (65%)
- Green (95%)
- Blue (79%)



- Red (65%)
- Yellow (85%)
- Blue (95%)



- Cyan (31%)
- Magenta (0%)
- Yellow (17%)
- Black (5%)




- Cyan (35%)
- Magenta (5%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the HunterLab color 87.1066, -33.2978, 15.0584 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 87.1066, -33.2978, 15.0584 by changing the saturation by 10% instead.





 87.1066, -33.2978,  
15.0584


 87.1066, -33.2978,  
15.0584


219.3017,  
-51.9676, 26.4087

 75.0554, -31.0668,  
13.8354


 112.9405,  
-37.6228, 17.5184

 63.6161, -28.7712,  
12.6106


 126.6710,  
-39.7315, 18.7578

 52.8254, -26.3951,  
11.3802


140.9168,  
-41.8135, 20.0060

 42.7250, -23.9142,  
10.1370

155.6599,  
-43.8737, 21.2639

 33.3656, -21.2934,  
8.8704

170.8841,  
-45.9161, 22.5326

 24.8116, -18.4784,  
7.5633


186.5746,

 17.1472, -15.3793,


-47.9441, 23.8126


6.1869


202.7179,  
-49.9605, 25.1045


 10.4910, -13.9365,  
5.3748


0.0000, NaN, NaN


 87.1066, -33.2978,  
15.0584


 87.1066, -33.2978,  
15.0584


 85.3967, -40.5656,  
18.3804


 89.0917, -25.1350,  
11.7899


 83.9561, -46.8696,  
21.7127

 91.3436, -16.1538,  
8.6070

 82.7816, -52.1690,  
25.0127

 93.8579, -6.4453,  
5.5401

 81.8631, -56.4513,  
28.2345

 95.8415, 1.2306,  
1.6153

■ 81.1844, -59.7404,  
31.3322

■ 95.9099, 1.6008,  
0.6422

■ 80.7216, -62.1044,  
34.2600

■ 80.4589, -63.5392,  
36.5962

# Harmonies

## Analogous

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



87.1084, -24.5073, 25.6071



87.1066, -33.2978, 15.0584



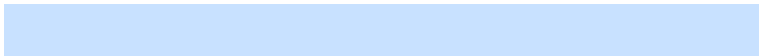
87.1084, -34.7457, -0.4815

# Triad

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



87.1084, -33.2992, 15.0594



87.1084, 0.7406, -32.0585



87.1084, 22.2282, 22.3105

# Complementary

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



87.1066, -33.2978, 15.0584



71.1392, 29.5627, -4.3160

# 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.



87.1084, 30.1772, 9.6599



87.1066, -33.2978, 15.0584



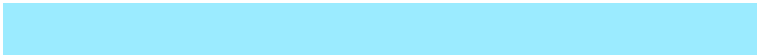
87.1084, 17.1569, -23.0442

# Square

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



87.1084, -33.2992, 15.0594



87.1084, -15.9393, -29.8450



87.1084, 28.2531, -7.0167

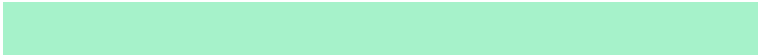


87.1084, 7.2399, 29.1993



# Rectangle

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



87.1066, -33.2978, 15.0584



87.1084, -31.4710, -11.9953



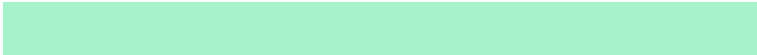
87.1084, 28.2531, -7.0167



87.1084, 25.8627, 18.7010

# Sweetspot

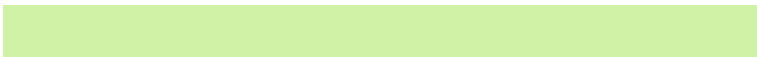
The Sweet Spot groups the original color and five complimentary colors.



87.1084, -33.2992, 15.0594



97.5451, -14.7567, 8.3471



89.1399, -27.3568, 30.4522



44.9549, -7.5062, 4.0845

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136

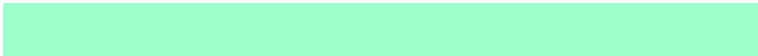


# Same Dimension

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



87.1084, -33.2992, 15.0594



91.1914, -40.6148, 18.3394



88.2464, -26.7359, -1.2024



42.1676, -6.5816, 3.6762



58.9937, -46.4264, 26.4844



17.0740, -13.0275, 6.7815



# Inverse Universe

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



71.1392, 29.5627, -4.3160



70.9622, 39.3317, -6.0398



69.9990, 23.8081, 11.9495



39.8721, 2.3918, 0.8615



33.1622, 59.3732, 1.4132

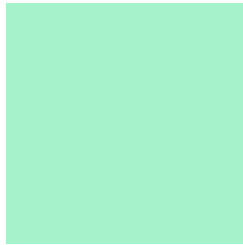


9.6694, 17.5038, -1.0743



# Previews

## White Background



This preview shows how the HunterLab color 87.1066, -33.2978, 15.0584 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 87.1066, -33.2978, 15.0584 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

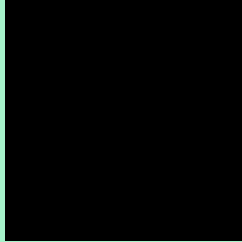
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

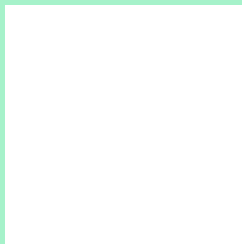
Any Text WCAG AAA ✓ Pass

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

## HunterLab 87.1066, -33.2978, 15.0584 Background



This preview shows how black text looks on a background with the HunterLab color 87.1066, -33.2978, 15.0584.



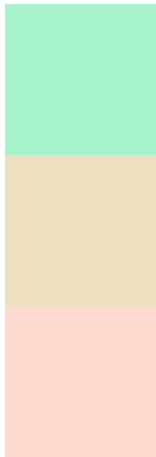
This preview shows how white text looks on a background with the HunterLab color 87.1066,

-33.2978, 15.0584.

# 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

87.1066, -33.2978, 15.0584

### Protanopia

86.5993, -5.4634, 18.7246

### Deuteranopia

86.6102, 6.2671, 13.0679



## Tritanopia

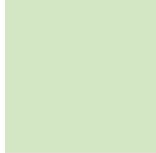
87.1318, -17.8265, -10.4261

# Trichromacy



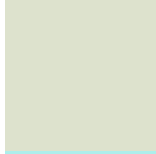
## Original Color

87.1066, -33.2978, 15.0584



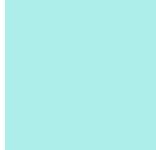
## Protanomaly

86.5946, -16.7220, 17.3091



## Deuteranomaly

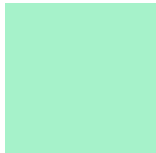
86.1235, -9.7074, 13.1369



## Tritanomaly

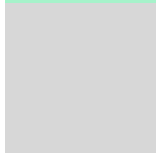
87.1960, -24.0272, -0.1340

# Monochromacy



## Original Color

87.1066, -33.2978, 15.0584



## Achromatopsia

82.4344, -4.3985, 4.4788



## Achromatomaly

83.8891, -15.7670, 8.3226

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 87.1066, -33.2978, 15.0584 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(166, 242, 202)` looks like.

```
.text, #text, p{  
    color:rgb(166, 242, 202)  
}
```

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(166, 242, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 242, 202) }
```

## Border

The CSS property to change the border of an element to HunterLab 87.1066, -33.2978, 15.0584 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(166, 242, 202) }
```



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

```
.border{ border-color:rgb(166, 242, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 242, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 242, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 242, 202);  
box-shadow:4px 4px 4px 4px rgb(166, 242,  
202) }
```

# Background

The CSS property to change the background color of an element to HunterLab 87.1066, -33.2978, 15.0584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 242, 202) }
```

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

```
.background{ background-color: rgb(166,  
242, 202) }
```

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