

# Converting Colors

HunterLab(77.5780, -36.6199,  
19.2213)

Have a look what the booklet for  
HunterLab(77.5780, -36.6199,  
19.2213) contains.

<b>HunterLab(77.5780, -36.6199, 19.2213)</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(77.5780,  
-36.6199, 19.2213)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87DEA7
RGB	135, 222, 167
RGB Percent	53%, 87%, 65%
CMY	0.4706, 0.1294, 0.3451
CMYK	0.39, 0.00, 0.25, 0.13
HSL	142°, 57%, 70%
HSV	142°, 39%, 87%
XYZ	43.0880, 60.1835, 45.9047
YIQ	189.7170, -34.1970, -35.5490

# Conversions

## Conversions Part 2

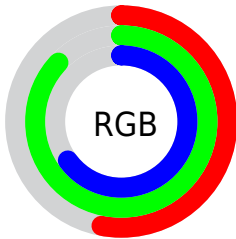
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">135, 199, 222</a>
Decimal	<a href="#">8904359</a>
CIELab	<a href="#">81.94, -38.05, 18.89</a>
CIELCh	<a href="#">82, 42.480, 153.594</a>
Yxy	<a href="#">60.1859, 0.2888, 0.4034</a>
Android (android.graphics.Color)	<a href="#">4287094439 (0xFF87DEA7)</a>
YUV	<a href="#">189.7170, -11.1995, -47.9868</a>
Hunter-Lab	<a href="#">77.5780, -36.6199, 19.2213</a>

# Details

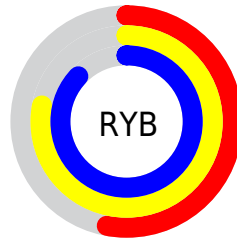
The HunterLab color  $77.5780, -36.6199, 19.2213$  is a light color, and the websafe version is hex  $66CC99$ . A complement of this color would be  $60.4786, 36.0816, -9.8619$ , and the grayscale version is  $71.6958, -3.8255, 3.8954$ .

A 20% lighter version of the original color is  $93.7392, -29.9280, 13.5274$ , and  $54.9688, -31.1229, 15.8320$  is the 20% darker color. If you saturate the color by 10%, you get  $76.1848, -42.7575, 22.7535$ , and if you desaturate by 10%, it is  $79.2281, -29.5803, 15.5726$ .

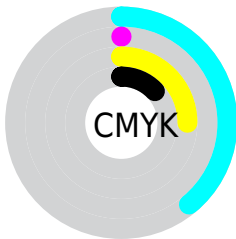
# Distribution



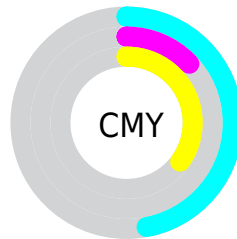
- Red (53%)
- Green (87%)
- Blue (65%)



- Red (53%)
- Yellow (78%)
- Blue (87%)



- Cyan (39%)
- Magenta (0%)
- Yellow (25%)
- Black (13%)




- Cyan (47%)
- Magenta (13%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the HunterLab color 77.5780, -36.6199, 19.2213 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 77.5780, -36.6199, 19.2213 by changing the saturation by 10% instead.





 77.5780, -36.6199,  
19.2213


 77.5780, -36.6199,  
19.2213


206.2239,  
-58.0348, 33.1799


 66.0065, -33.9766,  
17.6191


 102.5180,  
-41.6793, 22.3660

 55.0740, -31.2293,  
15.9839


 115.8292,  
-44.1204, 23.9190

 44.8222, -28.3506,  
14.3037


 129.6714,  
-46.5162, 25.4649

 35.2997, -25.2997,  
12.5596

144.0249,  
-48.8742, 27.0070

 26.5674, -22.0145,  
10.7234

158.8721,  
-51.2005, 28.5477

 18.7044, -18.3953,  
8.7497

174.1971,

 11.8204, -15.7409,

-53.5000, 30.0891

7.6807

189.9854,  
-55.7769, 31.6327

■ 4.6333, -8.1083,  
3.2433

0.0000, NaN, NaN

■ 77.5780, -36.6199,  
19.2213

■ 77.5780, -36.6199,  
19.2213

■ 76.1848, -42.7575,  
22.7535

■ 79.2281, -29.5803,  
15.5726

■ 75.0405, -47.9404,  
26.1217

■ 81.1295, -21.7046,  
11.8491

■ 74.1392, -52.1470,  
29.2829

■ 83.2795, -13.0763,  
8.0928

■ 73.4677, -55.3881,  
32.1962

■ 85.6715, -3.7848,  
4.3405

■ 73.0061, -57.7145,  
34.8254

■ 88.2967, 6.0796,  
0.6236

■ 72.7171, -59.2635,  
37.1322

■ 89.7124, 11.7457,  
-4.9470

■ 72.6971, -59.3719,  
37.3019

■ 89.8470, 12.4575,  
-6.8502

# Harmonies

## Analogous

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



77.5796, -24.9275, 29.5709



77.5780, -36.6199, 19.2213



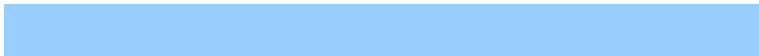
77.5796, -39.9504, 1.8157

# Triad

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



77.5796, -36.6211, 19.2221



77.5796, -1.6369, -43.7651



77.5796, 31.8059, 22.3608

# Complementary

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



77.5780, -36.6199, 19.2213



60.4786, 36.0816, -9.8619

# 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.



77.5796, 39.6285, 6.5553



77.5780, -36.6199, 19.2213



77.5796, 19.0885, -34.3207

# Square

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



77.5796, -36.6211, 19.2221



77.5796, -21.0354, -37.8328



77.5796, 34.7490, -14.5377



77.5796, 14.3298, 31.0221



# Rectangle

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



77.5780, -36.6199, 19.2213



77.5796, -37.3016, -12.4806



77.5796, 34.7490, -14.5377



77.5796, 35.7300, 17.8796

# Sweetspot

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



77.5796, -36.6211, 19.2221



96.6785, -18.3153, 10.7461



80.5944, -26.4097, 32.3365



44.5722, -9.0958, 5.2395

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136

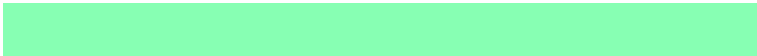


# Same Dimension

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



77.5796, -36.6211, 19.2221



89.4133, -48.7984, 25.8805



78.7840, -29.5774, 1.9438



39.2686, -6.2806, 3.8650



56.0441, -45.6477, 28.4899



14.8121, -11.6629, 6.6630



# Inverse Universe

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



60.4786, 36.0816, -9.8619



65.8247, 52.0473, -13.9896



59.1209, 29.4603, 9.4269



37.2097, 2.3786, 0.3314



32.2136, 58.7455, -6.9261



8.5812, 15.8257, -3.2163



# Previews

## White Background



This preview shows how the HunterLab color 77.5780, -36.6199, 19.2213 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 77.5780, -36.6199, 19.2213 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

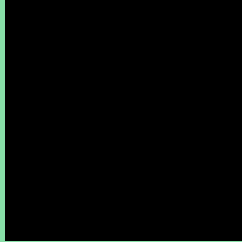
Any Text WCAG AA ✓ Pass

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 77.5780, -36.6199, 19.2213 Background



This preview shows how black text looks on a background with the HunterLab color 77.5780, -36.6199, 19.2213.



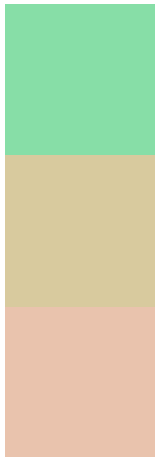
This preview shows how white text looks on a background with the HunterLab color 77.5780,

-36.6199, 19.2213.

# 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

77.5780, -36.6199, 19.2213

### Protanopia

77.0121, -5.8750, 22.4478

### Deuteranopia

77.0526, 5.6881, 17.1577



## Tritanopia

77.6223, -18.8705, -10.2462

# Trichromacy



## Original Color

77.5780, -36.6199, 19.2213



## Protanomaly

76.6413, -18.3066, 20.8210



## Deuteranomaly

76.4678, -11.9487, 17.0368



## Tritanomaly

77.5300, -25.8571, 1.6857

# Monochromacy



## Original Color

77.5780, -36.6199, 19.2213



## Achromatopsia

71.7578, -3.8288, 3.8987



## Achromatomaly

73.5965, -16.8828, 9.4013

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 77.5780, -36.6199, 19.2213 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(135, 222, 167)` looks like.

```
.text, #text, p{  
    color:rgb(135, 222, 167)  
}
```

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(135, 222, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 222, 167) }
```

## Border

The CSS property to change the border of an element to HunterLab 77.5780, -36.6199, 19.2213 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(135, 222, 167) }
```



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

```
.border{ border-color:rgb(135, 222, 167) }
```

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

Here you see how a box with a 4 pixel rgb(135, 222, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 222, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 222, 167);  
box-shadow:4px 4px 4px 4px rgb(135, 222,  
167) }
```

# Background

The CSS property to change the background color of an element to HunterLab 77.5780, -36.6199, 19.2213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 222, 167) }
```

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

```
.background{ background-color: rgb(135,  
222, 167) }
```

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