

# Converting Colors

HunterLab(87.6441, -55.5258,  
21.1599)

Have a look what the booklet for  
HunterLab(87.6441, -55.5258,  
21.1599) contains.

<b>HunterLab(87.6432, -55.5384, 21.2286)</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(87.6432,  
-55.5384, 21.2286)**

# Conversions

## Conversions Part 1

Format	Color
Hex	50FFBB
RGB	80, 255, 187
RGB Percent	31%, 100%, 73%
CMY	0.6863, 0.0000, 0.2667
CMYK	0.69, 0.00, 0.27, 0.00
HSL	157°, 100%, 66%
HSV	157°, 69%, 100%
XYZ	48.0379, 76.8133, 59.3083
YIQ	194.9230, -82.4720, -58.2480

# Conversions

## Conversions Part 2

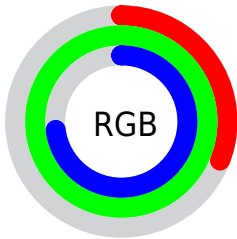
<b>Format</b>	<b>Color</b>
<b>RYB</b>	80, 189, 255
Decimal	5308347
CIELab	90.24, -59.63, 19.83
CIELCh	90, 62.844, 161.608
Yxy	76.8137, 0.2608, 0.4171
Android (android.graphics.Color)	4283498427 (0xFF50FFBB)
YUV	194.9230, -3.9060, -100.7875
Hunter-Lab	87.6432, -55.5384, 21.2286

# Details

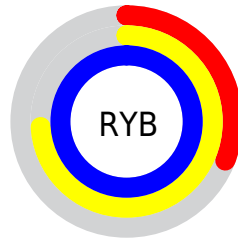
The HunterLab color **87.6432, -55.5384, 21.2286** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light muted spring green. A complement of this color would be **53.9781, 69.0797, 3.6949**, and the grayscale version is **73.8824, -3.9422, 4.0142**.

A 20% lighter version of the original color is **91.8079, -35.9378, 1.1821**, and **64.5397, -45.8218, 18.2472** is the 20% darker color. If you saturate the color by 10%, you get **86.8887, -59.0880, 24.0894**, and if you desaturate by 10%, it is **88.6460, -50.9996, 18.4358**.

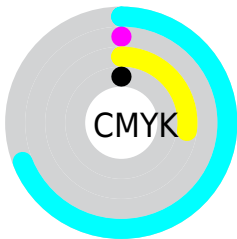
# Distribution



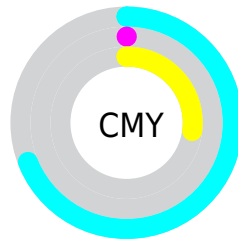
- Red (31%)
- Green (100%)
- Blue (73%)



- Red (31%)
- Yellow (74%)
- Blue (100%)



- Cyan (69%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)




- Cyan (69%)
- Magenta (0%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the HunterLab color 87.6432, -55.5384, 21.2286 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 87.6432, -55.5384, 21.2286 by changing the saturation by 10% instead.





 87.6432, -55.5384,  
21.2286


 87.6432, -55.5384,  
21.2286


220.0292,  
-85.2716, 35.5149


 75.5645, -51.7598,  
19.5950


 113.5237,  
-62.7028, 24.4397

 64.0980, -47.8158,  
17.9343


 127.2770,  
-66.1300, 26.0288

 53.2784, -43.6671,  
16.2355


 141.5447,  
-69.4734, 27.6118

 43.1471, -39.2613,  
14.4840

 156.3089,  
-72.7445, 29.1913

 33.7545, -34.5239,  
12.6585

171.5536,  
-75.9525, 30.7697

 25.1640, -29.3449,  
10.7266

187.2639,

 17.4590, -23.6674,

-79.1055, 32.3488

8.6361

203.4266,  
-82.2099, 33.9301

■ 10.7561, -18.8231,  
7.5293

■ 1.6156, -2.8273,  
1.1309

■ 87.6432, -55.5384,  
21.2286

■ 87.6432, -55.5384,  
21.2286

■ 86.8887, -59.0880,  
24.0894

■ 88.6460, -50.9996,  
18.4358

■ 86.3587, -61.7129,  
26.9718

■ 89.9121, -45.4537,  
15.7573

■ 86.0153, -63.5478,  
29.8169

■ 91.4517, -38.9137,  
13.2316

■ 85.9752, -63.7689,  
30.1971

■ 93.2694, -31.4216,  
10.8919

■ 95.3657, -23.0406,  
8.7649

■ 97.7375, -13.8488,  
6.8704

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.



87.6434, -41.7415, 38.0995



87.6432, -55.5384, 21.2286



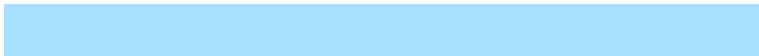
87.6434, -56.9490, -7.7755

# Triad

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



87.6434, -55.5375, 21.2279



87.6434, 7.9810, -73.5956



87.6434, 45.9514, 35.3009

# Complementary

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



87.6432, -55.5384, 21.2286



53.9781, 69.0797, 3.6949

# 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.



87.6434, 63.7102, 15.6988



87.6432, -55.5384, 21.2286



87.6434, 39.7887, -50.8995

# Square

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



87.6434, -55.5375, 21.2279



87.6434, -23.1726, -70.4368



87.6434, 61.3063, -15.6648



87.6434, 15.4831, 43.9939



# Rectangle

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



87.6432, -55.5384, 21.2286



87.6434, -50.9631, -31.5697



87.6434, 61.3063, -15.6648



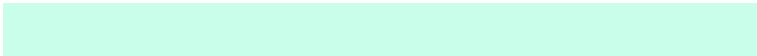
87.6434, 53.7888, 30.1338

# Sweetspot

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



87.6434, -55.5375, 21.2279



94.8428, -25.1073, 9.2496



88.6474, -54.8832, 48.5866



43.6064, -12.7003, 4.5475

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

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



87.6434, -55.5375, 21.2279



86.6861, -60.0728, 25.0624



83.5370, -35.5303, -16.2943



45.1163, -6.7950, 3.2511



62.1720, -45.9462, 21.4751



19.4551, -13.9974, 5.8991



# Inverse Universe

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



53.9781, 69.0797, 3.6949



49.7417, 78.2171, 8.0259



55.2107, 55.3666, 26.8386



42.5487, 2.3183, 1.6290



34.0697, 59.8090, 10.6695

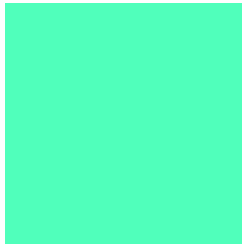


10.7277, 19.0166, 1.9314



# Previews

## White Background



This preview shows how the HunterLab color 87.6432, -55.5384, 21.2286 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

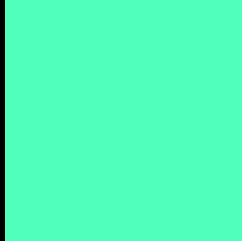
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 87.6432, -55.5384, 21.2286 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

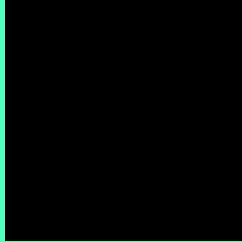
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

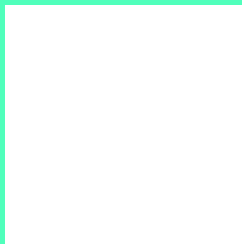
Any Text WCAG AAA ✓ Pass

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

## HunterLab 87.6432, -55.5384, 21.2286 Background



This preview shows how black text looks on a background with the HunterLab color 87.6432, -55.5384, 21.2286.



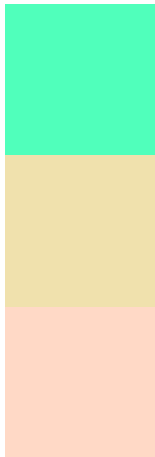
This preview shows how white text looks on a background with the HunterLab color 87.6432, -55.5384, 21.2286.

-55.5384, 21.2286.

# 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

87.6432, -55.5384, 21.2286

### Protanopia

86.8290, -7.2184, 26.3812

### Deuteranopia

86.5811, 5.6754, 16.8645



## Tritanopia

87.3015, -25.6851, -10.9068

# Trichromacy



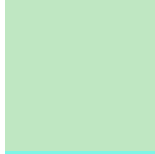
## Original Color

87.6432, -55.5384, 21.2286



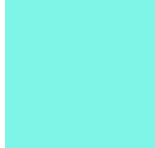
## Protanomaly

85.5280, -30.0393, 22.9778



## Deuteranomaly

84.9254, -22.9304, 16.2968



## Tritanomaly

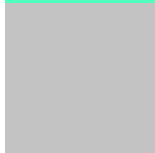
86.8640, -37.8819, 1.7635

# Monochromacy



## Original Color

87.6432, -55.5384, 21.2286



## Achromatopsia

73.8732, -3.9417, 4.0137



## Achromatomaly

77.5911, -26.5921, 9.2390

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 87.6432, -55.5384, 21.2286 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, 255, 187)` looks like.

```
.text, #text, p{  
    color:rgb(80, 255, 187)  
}
```

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, 255, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 255, 187) }
```

## Border

The CSS property to change the border of an element to HunterLab 87.6432, -55.5384, 21.2286 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, 255, 187) }
```



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

```
.border{ border-color:rgb(80, 255, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 255, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 255, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 255, 187);  
box-shadow:4px 4px 4px 4px rgb(80, 255,  
187) }
```

# Background

The CSS property to change the background color of an element to HunterLab 87.6432, -55.5384, 21.2286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 255, 187) }
```

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

```
.background{ background-color: rgb(80, 255,  
187) }
```

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