

# Converting Colors

HunterLab(83.6365, -31.0572,  
41.4761)

Have a look what the booklet for  
HunterLab(83.6365, -31.0572,  
41.4761) contains.

<b>HunterLab(83.6911, -30.9625, 41.5600)</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(83.6911,  
-30.9625, 41.5600)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5E769
RGB	197, 231, 105
RGB Percent	77%, 91%, 41%
CMY	0.2275, 0.0941, 0.5882
CMYK	0.15, 0.00, 0.55, 0.09
HSL	76°, 72%, 66%
HSV	76°, 55%, 91%
XYZ	54.1516, 70.0420, 24.0300
YIQ	206.4700, 20.1820, -46.3940

# Conversions

## Conversions Part 2

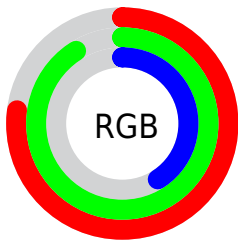
<b>Format</b>	<b>Color</b>
<b>RYB</b>	105, 231, 139
Decimal	12969833
CIELab	87.02, -29.54, 56.75
CIElCh	87, 63.981, 117.497
Yxy	70.0451, 0.3653, 0.4725
Android (android.graphics.Color)	4291159913 (0xFFC5E769)
YUV	206.4700, -50.0247, -8.3052
Hunter-Lab	83.6911, -30.9625, 41.5600

# Details

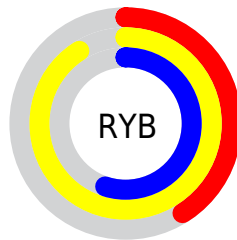
The HunterLab color **83.6911, -30.9625, 41.5600** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **46.2207, 35.4560, -67.8818**, and the grayscale version is **78.9669, -4.2135, 4.2904**.

A 20% lighter version of the original color is **97.6310, -18.4731, 39.6394**, and **60.4663, -26.3701, 33.7263** is the 20% darker color. If you saturate the color by 10%, you get **82.9509, -34.2918, 44.8218**, and if you desaturate by 10%, it is **84.5255, -27.1822, 37.2581**.

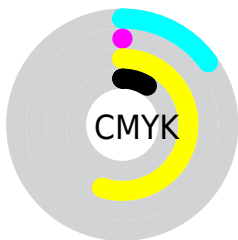
# Distribution



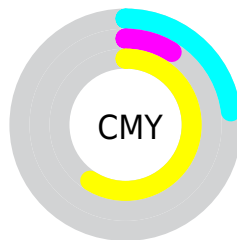
- Red (77%)
- Green (91%)
- Blue (41%)



- Red (41%)
- Yellow (91%)
- Blue (55%)



- Cyan (15%)
- Magenta (0%)
- Yellow (55%)
- Black (9%)




- Cyan (23%)
- Magenta (9%)
- Yellow (59%)


# Brightness & Saturation Gradients

These gradients show how the HunterLab color 83.6911, -30.9625, 41.5600 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 83.6911, -30.9625, 41.5600 by changing the saturation by 10% instead.





 83.6911, -30.9625,  
41.5600


 83.6911, -30.9625,  
41.5600


214.6412,  
-48.8925, 71.1726

 71.8076, -28.8277,  
37.7608


 109.2122,  
-35.1069, 48.7471


 60.5451, -26.6305,  
33.7903


 122.7958,  
-37.1290, 52.1728

 49.9421, -24.3560,  
29.6187


 136.9001,  
-39.1269, 55.5072

 40.0424, -21.9797,  
25.2123

 151.5064,  
-41.1053, 58.7623

 30.9001, -19.4653,  
20.6813

166.5982,  
-43.0682, 61.9485

 22.5841, -16.7561,  
15.8089

182.1603,

 15.1865, -13.7549,

-45.0186, 65.0743

10.6306

198.1788,  
-46.9593, 68.1469

■ 8.8150, -15.0733,  
6.1705

0.0000, NaN, NaN

■ 83.6911, -30.9625,  
41.5600

■ 83.6911, -30.9625,  
41.5600

■ 82.9509, -34.2918,  
44.8218

■ 84.5255, -27.1822,  
37.2581

■ 82.2950, -37.1779,  
47.0972


■ 85.4515, -22.9375,  
31.8783


■ 81.7193, -39.6486,  
48.4672


■ 86.4734, -18.2309,  
25.4020


■ 81.2161, -41.7432,  
49.0460

■ 87.5925, -13.0686,  
17.8247

 80.9645, -42.7709,  
49.1411

 88.8094, -7.4614,  
9.1543

 90.1243, -1.4243,  
-0.5908

 91.1112, 2.7345,  
-5.3752

 91.7204, 4.7961,  
-4.5548

 92.3461, 6.8995,  
-3.7180

# Harmonies

## Analogous

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



83.6930, -1.7728, 44.4130



83.6911, -30.9625, 41.5600



83.6930, -50.1981, 30.2484

# Triad

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



83.6930, -30.9648, 41.5606



83.6930, -34.9632, -61.1592



83.6930, 66.0987, 1.9655

# Complementary

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



83.6911, -30.9625, 41.5600



46.2207, 35.4560, -67.8818

# 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.



83.6930, 53.8381, -33.2823



83.6911, -30.9625, 41.5600



83.6930, -7.1337, -77.2846

# Square

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



83.6930, -30.9648, 41.5606



83.6930, -52.2519, -27.1334



83.6930, 25.7949, -65.5460



83.6930, 57.2284, 27.2781



# Rectangle

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



83.6911, -30.9625, 41.5600



83.6930, -56.3579, 16.2356



83.6930, 25.7949, -65.5460



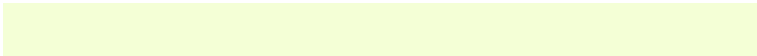
83.6930, 64.2758, -9.0958

# Sweetspot

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



83.6930, -30.9648, 41.5606



97.7836, -15.5420, 21.3262



60.2998, 26.7439, 24.4829



45.1168, -7.7551, 10.7067

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

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



83.6930, -30.9648, 41.5606



92.7288, -38.6384, 50.3844



79.5465, -47.1509, 38.2287



40.7570, -4.7446, 6.2589



60.6727, -31.8147, 36.8293



16.6293, -8.1134, 10.1049



# Inverse Universe

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



46.2207, 35.4560, -67.8818



44.1287, 50.0790, -99.0437



53.2684, 53.3070, -50.3949



37.5158, 0.7021, -2.3852



19.6649, 50.1242, -114.7908



5.7489, 14.0027, -28.5130



# Previews

## White Background



This preview shows how the HunterLab color 83.6911, -30.9625, 41.5600 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 83.6911, -30.9625, 41.5600 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

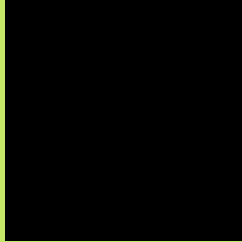
Any Text WCAG AA ✓ Pass

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 83.6911, -30.9625, 41.5600 Background



This preview shows how black text looks on a background with the HunterLab color 83.6911, -30.9625, 41.5600.



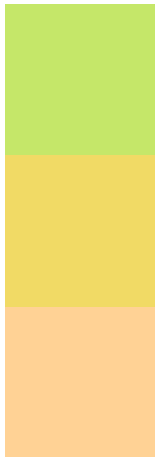
This preview shows how white text looks on a background with the HunterLab color 83.6911, -30.9625, 41.5600.

-30.9625, 41.5600.

# 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

83.6911, -30.9625, 41.5600

### Protanopia

83.5363, -10.0833, 42.5598

### Deuteranopia

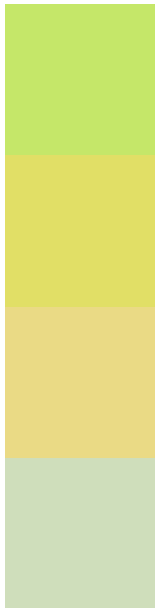
83.3805, 3.3214, 31.2182



## Tritanopia

83.4046, -2.9615, -3.9940

# Trichromacy



## Original Color

83.6911, -30.9625, 41.5600

## Protanomaly

83.5118, -18.2481, 42.2157

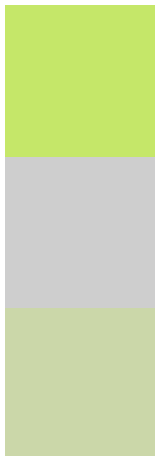
## Deuteranomaly

83.2639, -10.1456, 35.3280

## Tritanomaly

83.1239, -14.8556, 17.4269

# Monochromacy



## Original Color

83.6911, -30.9625, 41.5600

## Achromatopsia

78.5625, -4.1919, 4.2684

## Achromatomaly

80.1012, -15.1832, 21.3083

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 83.6911, -30.9625, 41.5600 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(197, 231, 105)` looks like.

```
.text, #text, p{  
    color:rgb(197, 231, 105)  
}
```

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(197, 231, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 231, 105) }
```

## Border

The CSS property to change the border of an element to HunterLab 83.6911, -30.9625, 41.5600 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(197, 231, 105) }
```



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

```
.border{ border-color:rgb(197, 231, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 231, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 231, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 231, 105);  
box-shadow:4px 4px 4px 4px rgb(197, 231,  
105) }
```

# Background

The CSS property to change the background color of an element to HunterLab 83.6911, -30.9625, 41.5600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 231, 105) }
```

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

```
.background{ background-color: rgb(197,  
231, 105) }
```

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