

# Converting Colors

HunterLab(35.7678, -30.6655,  
21.5031)

Have a look what the booklet for  
HunterLab(35.7678, -30.6655,  
21.5031) contains.

<b>HunterLab(35.6687, -30.5859, 21.4434)</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(35.6687,  
-30.5859, 21.4434)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	007500
RGB	0, 117, 0
RGB Percent	0%, 46%, 0%
CMY	1.0000, 0.5412, 1.0000
CMYK	1.00, 0.00, 1.00, 0.54
HSL	120°, 100%, 23%
HSV	120°, 100%, 46%
XYZ	6.3613, 12.7226, 2.1204
YIQ	68.6790, -32.1750, -61.1910

# Conversions

## Conversions Part 2

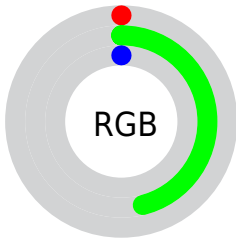
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 117, 117
Decimal	29952
CIELab	42.34, -48.47, 46.78
CIELCh	42, 67.363, 136.017
Yxy	12.7231, 0.3000, 0.6000
Android (android.graphics.Color)	4278220032 (0xFF007500)
YUV	68.6790, -33.8587, -60.2315
Hunter-Lab	35.6687, -30.5859, 21.4434

# Details

The HunterLab color  $[35.6687, -30.5859, 21.4434]$  is a dark color, and the websafe version is hex  $006600$ . A complement of this color would be  $[22.5084, 44.2517, -29.6827]$ , and the grayscale version is  $[24.4062, -1.3023, 1.3260]$ .

A 20% lighter version of the original color is  $[55.4131, -37.8340, 28.7592]$ , and  $[20.0357, -17.1806, 12.0452]$  is the 20% darker color. If you saturate the color by 10%, you get  $[35.6694, -30.5864, 21.4435]$ , and if you desaturate by 10%, it is  $[35.8119, -29.9056, 20.9832]$ .

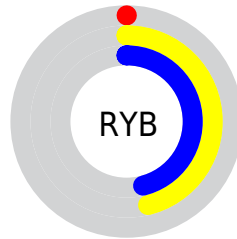
# Distribution



Red (0%)

Green (46%)

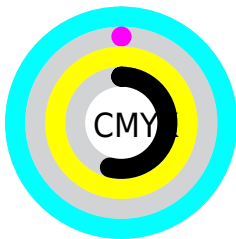
Blue (0%)



Red (0%)

Yellow (46%)

Blue (46%)

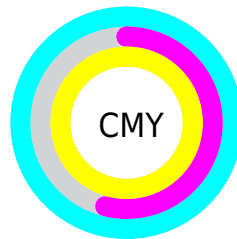


Cyan (100%)

Magenta (0%)

Yellow (100%)

Black (54%)



Cyan (100%)

Magenta (54%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 35.6687, -30.5859, 21.4434 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 35.6687, -30.5859, 21.4434 by changing the saturation by 10% instead.



■ 35.6687, -30.5859,  
21.4434

■ 35.6687, -30.5859,  
21.4434

144.6151,  
-59.3986, 50.3005

■ 26.9038, -26.4549,  
17.4485

■ 55.5026, -37.9716,  
28.8442

■ 19.0039, -21.8763,  
13.3027

■ 66.4617, -41.3606,  
32.2516

■ 12.0776, -19.4287,  
8.4543

■ 78.0600, -44.6034,  
35.5095

■ 5.0930, -8.9127,  
3.5651

■ 90.2640, -47.7279,  
38.6440

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 103.0450,  
-50.7551, 41.6754


0.0000, NaN, NaN


■ 116.3781,


0.0000, NaN, NaN


-53.7012, 44.6202


0.0000, NaN, NaN


 130.2413,  
-56.5790, 47.4917


 35.6687, -30.5859,  
21.4434


 35.6687, -30.5859,  
21.4434


 35.6694, -30.5864,  
21.4435

 35.8119, -29.9056,  
20.9832

 36.0187, -28.9229,  
20.3185

 36.3375, -27.4213,  
19.3030

 36.7782, -25.3703,  
17.9161

 37.3475, -22.7620,  
16.1526

■ 38.0492, -19.6084,  
14.0207

■ 38.8847, -15.9371,  
11.5392

■ 39.8532, -11.7880,  
8.7352

■ 40.9522, -7.2085,  
5.6410

# Harmonies

## Analogous

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



35.6694, -14.3562, 24.0091



35.6687, -30.5859, 21.4434



35.6694, -37.8920, 11.4088

# Triad

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



35.6694, -30.5864, 21.4435



35.6694, -12.9121, -78.4396



35.6694, 57.9065, 12.4928

# Complementary

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



35.6687, -30.5859, 21.4434



22.5084, 44.2517, -29.6827

# 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.



35.6694, 58.6143, -11.1434



35.6687, -30.5859, 21.4434



35.6694, 12.5295, -77.2871

# Square

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



35.6694, -30.5864, 21.4435



35.6694, -29.7844, -49.9620



35.6694, 40.2653, -47.4412



35.6694, 38.5387, 21.7654



# Rectangle

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



35.6687, -30.5859, 21.4434



35.6694, -38.5290, -3.2560



35.6694, 40.2653, -47.4412



35.6694, 60.4863, 6.4584

# Sweetspot

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



35.6694, -30.5864, 21.4435



51.9405, -21.7307, 15.7145



40.6265, -10.9120, 24.8428



24.7214, -11.2230, 8.0779



77.7063, -4.1462, 4.2219



27.0627, -1.4440, 1.4704



# Same Dimension

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



35.6694, -30.5864, 21.4435



47.7310, -40.9292, 28.6947



36.1022, -27.8861, 15.0735



20.2440, -3.3261, 2.6271



37.4400, -32.1046, 22.5079



82.6493, -70.8716, 49.6871



# Inverse Universe

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



22.5084, 44.2517, -29.6827



30.1196, 59.2153, -39.7196



20.2303, 36.1804, 1.1707



19.3854, 1.3111, -0.5416



23.6257, 46.4482, -31.1560

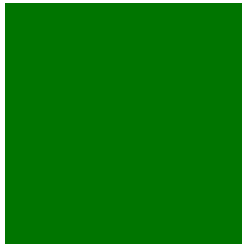


52.1540, 102.5350, -68.7768



# Previews

## White Background



This preview shows how the HunterLab color 35.6687, -30.5859, 21.4434 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

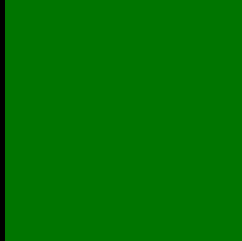
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 35.6687, -30.5859, 21.4434 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

## HunterLab 35.6687, -30.5859, 21.4434 Background



This preview shows how black text looks on a background with the HunterLab color 35.6687, -30.5859, 21.4434.



This preview shows how white text looks on a background with the HunterLab color 35.6687, -30.5859, 21.4434.

-30.5859, 21.4434.

# 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

35.6687, -30.5859, 21.4434

### Protanopia

35.5318, -5.0753, 21.8056

### Deuteranopia

35.6233, 2.1570, 20.4580



## Tritanopia

35.9141, -13.1216, -6.3950

# Trichromacy



## Original Color

35.6687, -30.5859, 21.4434

## Protanomaly

34.1845, -18.9553, 20.7325

## Deuteranomaly

33.8281, -15.6557, 19.7114

## Tritanomaly

35.1961, -22.9008, 10.0733

# Monochromacy



## Original Color

35.6687, -30.5859, 21.4434

## Achromatopsia

24.3949, -1.3017, 1.3254

## Achromatomaly

27.1531, -15.8246, 11.2515

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 35.6687, -30.5859, 21.4434 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(0, 117, 0)` looks like.

```
.text, #text, p{  
    color:rgb(0, 117, 0)  
}
```

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(0, 117, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 117, 0) }
```

## Border

The CSS property to change the border of an element to HunterLab 35.6687, -30.5859, 21.4434 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(0, 117, 0) }
```



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

```
.border{ border-color:rgb(0, 117, 0) }
```

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

Here you see how a box with a 4 pixel rgb(0, 117, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 117, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 117, 0); box-shadow:4px  
4px 4px 4px rgb(0, 117, 0) }
```

# Background

The CSS property to change the background color of an element to HunterLab 35.6687, -30.5859, 21.4434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 117, 0) }
```

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

```
.background{ background-color: rgb(0, 117,  
0) }
```

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