

# Converting Colors

HunterLab(36.9684, 53.7463,  
-37.4872)

Have a look what the booklet for  
HunterLab(36.9684, 53.7463,  
-37.4872) contains.

<b>HunterLab(36.9648, 53.4517, -37.2855)</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(36.9648, 53.4517,  
-37.2855)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A735AA
RGB	167, 53, 170
RGB Percent	65%, 21%, 67%
CMY	0.3451, 0.7921, 0.3333
CMYK	0.02, 0.69, 0.00, 0.33
HSL	298°, 52%, 44%
HSV	298°, 69%, 67%
XYZ	24.4651, 13.6640, 39.3781
YIQ	100.4240, 30.3870, 60.5550

# Conversions

## Conversions Part 2

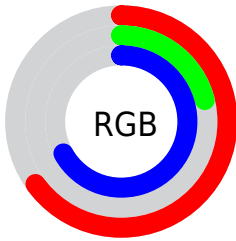
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	167, 53, 170
Decimal	10958250
CIE <sub>Lab</sub>	43.75, 60.53, -39.48
CIE <sub>LCh</sub>	44, 72.264, 326.884
Yxy	13.6646, 0.3157, 0.1763
Android (android.graphics.Color)	4289148330 (0xFFA735AA)
YUV	100.4240, 34.3010, 58.3872
Hunter-Lab	36.9648, 53.4517, -37.2855

# Details

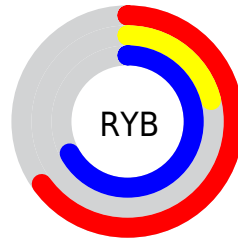
The HunterLab color  $36.9648, 53.4517, -37.2855$  is a dark color, and the websafe version is hex  $993399$ . A complement of this color would be  $54.6329, -41.2121, 29.2871$ , and the grayscale version is  $35.7260, -1.9063, 1.9411$ .

A 20% lighter version of the original color is  $56.9525, 57.8184, -38.7986$ , and  $21.5960, 42.9308, -32.1454$  is the 20% darker color. If you saturate the color by 10%, you get  $35.1178, 59.1683, -41.5321$ , and if you desaturate by 10%, it is  $39.4290, 46.3281, -32.0799$ .

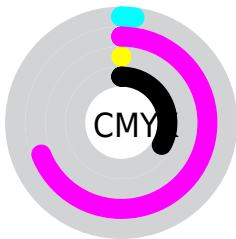
# Distribution



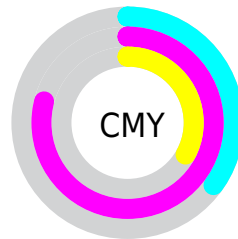
- Red (65%)
- Green (21%)
- Blue (67%)



- Red (65%)
- Yellow (21%)
- Blue (67%)



- Cyan (2%)
- Magenta (69%)
- Yellow (0%)
- Black (33%)



- Cyan (35%)
- Magenta (79%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 36.9648, 53.4517, -37.2855 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 36.9648, 53.4517, -37.2855 by changing the saturation by 10% instead.



36.9648, 53.4517,  
-37.2855

36.9648, 53.4517,  
-37.2855

146.6745, 68.9389,  
-42.4339

28.0851, 51.3088,  
-36.7994

57.0024, 57.5642,  
-38.5688

20.0579, 49.2362,  
-36.6550

68.0535, 59.4807,  
-39.2325

12.9867, 47.5525,  
-37.3794

79.7387, 61.2950,  
-39.8720

6.4415, 53.8273,  
-45.2909

92.0255, 63.0087,  
-40.4751

0.0000, INF, -NF

0.0000, NaN, -NF

104.8855, 64.6254,  
-41.0351

0.0000, NaN, NaN

118.2944, 66.1495,

0.0000, NaN, NaN

-41.5489

0.0000, NaN, NaN

132.2304, 67.5859,  
-42.0153

■ 36.9648, 53.4517,  
-37.2855

■ 36.9648, 53.4517,  
-37.2855

■ 35.1178, 59.1683,  
-41.5321

■ 39.4290, 46.3281,  
-32.0799

■ 33.8957, 63.0769,  
-44.5316

■ 42.4622, 38.2912,  
-26.2664

■ 33.1960, 65.2548,  
-46.3268

■ 46.0030, 29.7728,  
-20.1466

■ 33.1220, 65.4846,  
-46.5201

■ 49.9851, 21.0905,  
-13.9400

■ 54.3468, 12.4456,  
-7.7834

■ 59.0339, 3.9485,  
-1.7497

■ 64.0009, -4.3509,  
4.1299

■ 69.2100, -12.4401,  
9.8497

■ 74.6303, -20.3267,  
15.4178

# Harmonies

## Analogous

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



36.9656, 25.0555, -76.6524



36.9648, 53.4517, -37.2855



36.9656, 66.8905, -0.8230

# Triad

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



36.9656, 53.4501, -37.2839



36.9656, 0.9391, 25.5092



36.9656, -38.2605, -28.6626

# Complementary

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



36.9648, 53.4517, -37.2855



54.6329, -41.2121, 29.2871

# 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.



36.9656, -41.2993, 4.6391



36.9648, 53.4517, -37.2855



36.9656, -22.9461, 24.6454

# Square

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



36.9656, 53.4501, -37.2839



36.9656, 31.5160, 24.2016



36.9656, -36.6145, 20.2775



36.9656, -26.6215, -69.6062



# Rectangle

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



36.9648, 53.4517, -37.2855



36.9656, 63.3216, 13.8283



36.9656, -36.6145, 20.2775



36.9656, -40.1420, -15.7476

# Sweetspot

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



36.9656, 53.4501, -37.2839



71.6560, 19.7307, -12.5943



25.6441, 26.0008, -71.6705



33.0894, 10.7869, -6.9935



93.2148, -4.9737, 5.0645



40.3295, -2.1519, 2.1912



# Same Dimension

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



36.9656, 53.4501, -37.2839



46.2661, 83.0142, -58.4636



35.1281, 45.0761, -5.1464



27.6707, 2.0389, -0.9517



28.4148, 56.1746, -39.8808



4.4652, 8.8100, -6.1321



# Inverse Universe

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



33.7318, 39.2100, 14.8946



41.2847, 62.5975, 23.3306



55.3000, -36.9663, 18.3359



27.4687, 0.9179, 2.2032



25.0896, 42.9998, 15.9556



3.9255, 6.7518, 2.3103



# Previews

## White Background



This preview shows how the HunterLab color 36.9648, 53.4517, -37.2855 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

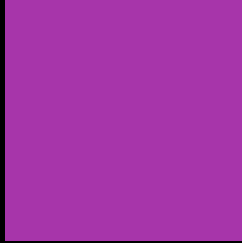
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 36.9648, 53.4517, -37.2855 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

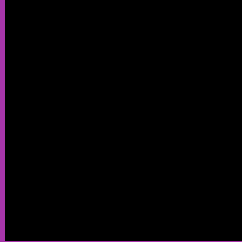
Any Text WCAG AA × Fail

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 36.9648, 53.4517, -37.2855 Background



This preview shows how black text looks on a background with the HunterLab color 36.9648, 53.4517, -37.2855.



This preview shows how white text looks on a background with the HunterLab color 36.9648, 53.4517, -37.2855.

-37.2855.

# 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

36.9648, 53.4517, -37.2855

### Protanopia

37.3756, 14.3242, -77.6380

### Deuteranopia

37.3699, 2.8882, -31.1551



## Tritanopia

36.8474, 24.9090, 8.9749

# Trichromacy



## Original Color

36.9648, 53.4517, -37.2855



## Protanomaly

33.5497, 22.2163, -73.3540



## Deuteranomaly

35.2161, 20.6083, -37.8710



## Tritanomaly

36.3892, 34.9105, -4.3870

# Monochromacy



## Original Color

36.9648, 53.4517, -37.2855



## Achromatopsia

35.6984, -1.9048, 1.9396



## Achromatomaly

34.5721, 17.4989, -11.6644

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 36.9648, 53.4517, -37.2855 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(167, 53, 170)` looks like.

```
.text, #text, p{  
    color:rgb(167, 53, 170)  
}
```

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(167, 53, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 53, 170) }
```

## Border

The CSS property to change the border of an element to HunterLab 36.9648, 53.4517, -37.2855 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(167, 53, 170) }
```



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

```
.border{ border-color:rgb(167, 53, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 53, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 53, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 53, 170);  
box-shadow:4px 4px 4px 4px rgb(167, 53,  
170) }
```

# Background

The CSS property to change the background color of an element to HunterLab 36.9648, 53.4517, -37.2855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 53, 170) }
```

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

```
.background{ background-color: rgb(167, 53,  
170) }
```

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