

# Converting Colors

HunterLab(37.8224, 20.2961,  
-36.0498)

Have a look what the booklet for  
HunterLab(37.8224, 20.2961,  
-36.0498) contains.

<b>HunterLab(37.7751, 20.2978, -36.0582)</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(37.7751, 20.2978,  
-36.0582)**

# Conversions

## Conversions Part 1

Format	Color
Hex	745CAA
RGB	116, 92, 170
RGB Percent	45%, 36%, 67%
CMY	0.5451, 0.6392, 0.3333
CMYK	0.32, 0.46, 0.00, 0.33
HSL	258°, 31%, 51%
HSV	258°, 46%, 67%
XYZ	18.2853, 14.2696, 39.8208
YIQ	108.0680, -10.7340, 29.3460

# Conversions

## Conversions Part 2

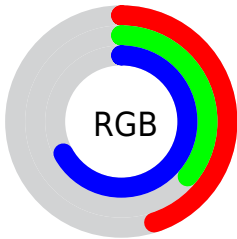
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	116, 92, 170
Decimal	7625898
CIE <sub>Lab</sub>	44.62, 27.36, -38.51
CIE <sub>LCh</sub>	45, 47.242, 305.391
Y <sub>xy</sub>	14.2701, 0.2526, 0.1972
Android (android.graphics.Color)	4285815978 (0xFF745CAA)
YUV	108.0680, 30.5325, 6.9564
Hunter-Lab	37.7751, 20.2978, -36.0582

# Details

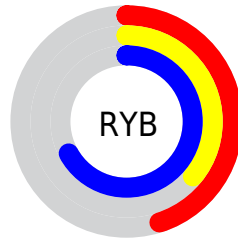
The HunterLab color  $[37.7751, 20.2978, -36.0582]$  is a dark color, and the websafe version is hex  $6666CC$ . A complement of this color would be  $[59.6937, -20.2559, 26.3712]$ , and the grayscale version is  $[38.6416, -2.0618, 2.0995]$ .

A 20% lighter version of the original color is  $[58.0362, 21.8556, -37.3618]$ , and  $[20.6182, 18.1447, -35.3729]$  is the 20% darker color. If you saturate the color by 10%, you get  $[33.0027, 26.1228, -47.5291]$ , and if you desaturate by 10%, it is  $[42.9086, 14.7341, -25.8514]$ .

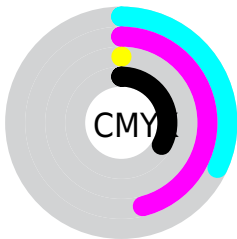
# Distribution



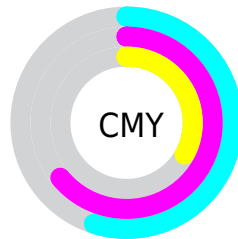
- Red (45%)
- Green (36%)
- Blue (67%)



- Red (45%)
- Yellow (36%)
- Blue (67%)



- Cyan (32%)
- Magenta (46%)
- Yellow (0%)
- Black (33%)



- Cyan (55%)
- Magenta (64%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 37.7751, 20.2978, -36.0582 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 37.7751, 20.2978, -36.0582 by changing the saturation by 10% instead.



37.7751, 20.2978,  
-36.0582

37.7751, 20.2978,  
-36.0582

147.9543, 25.1900,  
-41.0555

28.8250, 19.2618,  
-35.5364

57.9375, 21.9999,  
-37.3459

20.7199, 18.0836,  
-35.3006

69.0452, 22.6931,  
-37.9960

13.5605, 16.7559,  
-35.7987

80.7840, 23.2950,  
-38.6168

7.1500, 17.2944,  
-40.8410

93.1217, 23.8142,  
-39.1980

0.0000, INF, -NF

0.0000, NaN, -NF

106.0304, 24.2578,  
-39.7341

0.0000, NaN, NaN

119.4859, 24.6316,

0.0000, NaN, NaN

-40.2228

0.0000, NaN, NaN

133.4669, 24.9409,  
-40.6632

■ 37.7751, 20.2978,  
-36.0582

■ 37.7751, 20.2978,  
-36.0582

■ 33.0027, 26.1228,  
-47.5291

■ 42.9086, 14.7341,  
-25.8514

■ 28.6843, 32.1257,  
-60.3707

■ 48.3324, 9.4276,  
-16.7053

■ 24.9484, 38.0196,  
-74.3411

■ 53.9971, 4.3419,  
-8.4095

■ 21.9503, 43.1627,  
-88.4428

■ 59.8661, -0.5649,  
-0.7851

■ 19.8212, 46.6155,  
-100.7288

■ 65.9119, -5.3313,  
6.3116

■ 19.0804, 47.8862,  
-105.5794

■ 72.1134, -9.9897,  
12.9933

■ 78.4540, -14.5665,  
19.3472

■ 84.9205, -19.0827,  
25.4413

■ 91.5020, -23.5550,  
31.3284

# Harmonies

## Analogous

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



37.7758, 1.3042, -47.9055



37.7751, 20.2978, -36.0582



37.7758, 35.0684, -14.4695

# Triad

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



37.7758, 20.2975, -36.0571



37.7758, 13.5761, 21.4589



37.7758, -30.7712, -1.1845

# Complementary

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



37.7751, 20.2978, -36.0582



59.6937, -20.2559, 26.3712

# 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.



37.7758, -28.7128, 13.3978



37.7751, 20.2978, -36.0582



37.7758, -5.2285, 22.3860

# Square

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



37.7758, 20.2975, -36.0571



37.7758, 30.7047, 16.6323



37.7758, -20.1163, 20.3013



37.7758, -26.3856, -22.5473



# Rectangle

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



37.7751, 20.2978, -36.0582



37.7758, 39.2534, -0.6988



37.7758, -20.1163, 20.3013



37.7758, -30.7990, 4.6183

# Sweetspot

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



37.7758, 20.2975, -36.0571



74.0025, 4.7579, -9.6002



50.9129, -11.8209, -13.1225



34.1724, 2.9132, -5.5902



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.



37.7758, 20.2975, -36.0571



44.3830, 35.2801, -64.2115



41.7928, 31.4438, -27.6495



27.2182, 0.5102, -1.5572



16.4453, 41.1448, -90.0060



3.0406, 6.9154, -11.2778



# Inverse Universe

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



42.7505, 32.0485, -10.8114



52.9732, 53.2121, -17.3690



57.1713, -29.9794, 24.2029



27.6165, 1.7126, 0.0968



26.9326, 49.7135, -10.4307

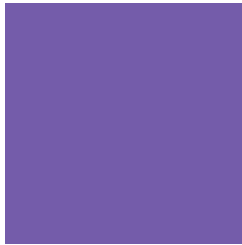


4.3011, 8.1107, -2.9952



# Previews

## White Background



This preview shows how the HunterLab color 37.7751, 20.2978, -36.0582 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

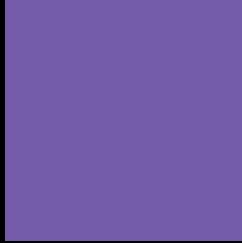
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 37.7751, 20.2978, -36.0582 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

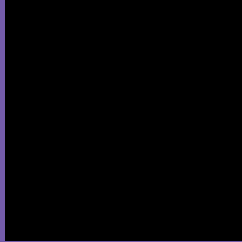
Any Text WCAG AA × Fail

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 37.7751, 20.2978, -36.0582 Background



This preview shows how black text looks on a background with the HunterLab color 37.7751, 20.2978, -36.0582.



This preview shows how white text looks on a background with the HunterLab color 37.7751, 20.2978, -36.0582.



# 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

37.7751, 20.2978, -36.0582

### Protanopia

37.9124, 7.8594, -44.0288

### Deuteranopia

38.0471, 2.8600, -33.4769



## Tritanopia

37.8136, -0.7571, -1.2085

# Trichromacy



## Original Color

37.7751, 20.2978, -36.0582

## Protanomaly

37.5939, 11.7134, -41.4089

## Deuteranomaly

37.6951, 8.5968, -34.8906

## Tritanomaly

37.5324, 6.4507, -12.3888

# Monochromacy



## Original Color

37.7751, 20.2978, -36.0582

## Achromatopsia

38.7246, -2.0663, 2.1040

## Achromatomaly

38.1064, 5.4685, -9.8329

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 37.7751, 20.2978, -36.0582 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(116, 92, 170)` looks like.

```
.text, #text, p{  
    color:rgb(116, 92, 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(116, 92, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 92, 170) }
```

## Border

The CSS property to change the border of an element to HunterLab 37.7751, 20.2978, -36.0582 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(116, 92, 170) }
```



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

```
.border{ border-color:rgb(116, 92, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 92, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 92, 170); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 92, 170); box-shadow:4px 4px 4px 4px rgb(116, 92, 170) }
```

# Background

The CSS property to change the background color of an element to HunterLab 37.7751, 20.2978, -36.0582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 92, 170) }
```

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

```
.background{ background-color: rgb(116, 92,  
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