

# Converting Colors

HunterLab(44.9308, 12.3704,  
-33.1513)

Have a look what the booklet for  
HunterLab(44.9308, 12.3704,  
-33.1513) contains.

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# Color

**HunterLab(45.0120, 12.3187,  
-33.2380)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7875BA
RGB	120, 117, 186
RGB Percent	47%, 46%, 73%
CMY	0.5294, 0.5412, 0.2706
CMYK	0.35, 0.37, 0.00, 0.27
HSL	243°, 33%, 59%
HSV	243°, 37%, 73%
XYZ	22.9699, 20.2608, 49.1544
YIQ	125.7630, -20.3610, 22.0950

# Conversions

## Conversions Part 2

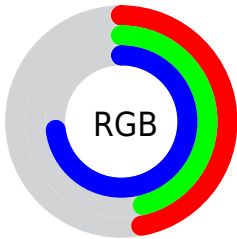
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	120, 117, 186
Decimal	7894458
CIE Lab	52.13, 17.77, -35.96
CIE LCh	52, 40.111, 296.304
Yxy	20.2616, 0.2486, 0.2193
Android (android.graphics.Color)	4286084538 (0xFF7875BA)
YUV	125.7630, 29.6968, -5.0542
Hunter-Lab	45.0120, 12.3187, -33.2380

# Details

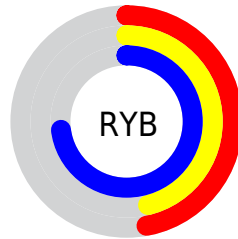
The HunterLab color  $45.0120, 12.3187, -33.2380$  is a dark color, and the websafe version is hex  $666699$ . A complement of this color would be  $68.1687, -13.7735, 27.1259$ , and the grayscale version is  $45.4781, -2.4266, 2.4709$ .

A 20% lighter version of the original color is  $66.1705, 12.7964, -34.2715$ , and  $26.7416, 11.1203, -31.7271$  is the 20% darker color. If you saturate the color by 10%, you get  $38.9784, 17.7529, -46.3330$ , and if you desaturate by 10%, it is  $51.4076, 7.4625, -21.7699$ .

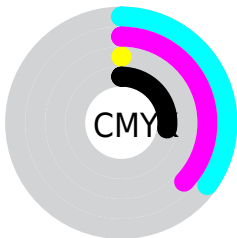
# Distribution



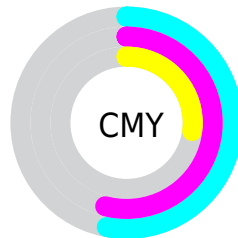
- Red (47%)
- Green (46%)
- Blue (73%)



- Red (47%)
- Yellow (46%)
- Blue (73%)



- Cyan (35%)
- Magenta (37%)
- Yellow (0%)
- Black (27%)



- Cyan (53%)
- Magenta (54%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 45.0120, 12.3187, -33.2380 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 45.0120, 12.3187, -33.2380 by changing the saturation by 10% instead.



■ 45.0120, 12.3187,  
-33.2380

■ 45.0120, 12.3187,  
-33.2380

■ 159.1627, 13.1798,  
-37.5878

■ 35.4758, 11.8437,  
-32.6187

■ 66.2233, 12.9832,  
-34.4939

■ 26.7276, 11.2543,  
-32.0963

■ 77.8084, 13.1949,  
-35.0788

■ 18.8470, 10.5293,  
-31.8469

■ 90.0000, 13.3366,  
-35.6197

■ 11.9428, 9.6422,  
-32.3505

■ 102.7691, 13.4146,  
-36.1125

■ 4.8579, 15.6840,  
-47.0522

■ 116.0908, 13.4340,  
-36.5555

0.0000, NaN, -NF

0.0000, NaN, -NF

■ 129.9430, 13.3990,

-36.9486

0.0000, NaN, NaN

144.3062, 13.3132,  
-37.2923

0.0000, NaN, NaN

■ 45.0120, 12.3187,  
-33.2380

■ 45.0120, 12.3187,  
-33.2380

■ 38.9784, 17.7529,  
-46.3330

■ 51.4076, 7.4625,  
-21.7699

■ 33.4034, 23.8974,  
-61.4543

■ 58.0946, 3.0544,  
-11.5595

■ 28.4333, 30.7987,  
-78.8092

■ 65.0260, -1.0132,  
-2.3059

■ 24.2757, 38.1898,  
-97.8320

■ 72.1670, -4.8227,  
6.2189

■ 21.1910, 45.0957,  
-116.1278

■ 79.4915, -8.4362,  
14.1856

■ 19.3649, 49.9134,  
-129.4254

■ 86.9795, -11.9003,  
21.7220

■ 18.9668, 51.1722,  
-132.6338

■ 94.6154, -15.2501,  
28.9241

■ 98.1454, -15.5928,  
32.1403

# Harmonies

## Analogous

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



45.0128, -4.4038, -38.5270



45.0120, 12.3187, -33.2380



45.0128, 26.7011, -17.3905

# Triad

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



45.0128, 12.3184, -33.2368



45.0128, 16.3051, 20.8467



45.0128, -29.5683, 4.3273

# Complementary

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



45.0120, 12.3187, -33.2380



68.1687, -13.7735, 27.1259

# 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.



45.0128, -25.5924, 16.0338



45.0120, 12.3187, -33.2380



45.0128, -0.3690, 23.1831

# Square

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



45.0128, 12.3184, -33.2368



45.0128, 29.2227, 13.7457



45.0128, -15.4483, 21.8003



45.0128, -27.1616, -12.8372



# Rectangle

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



45.0120, 12.3187, -33.2380



45.0128, 32.2109, -5.1832



45.0128, -15.4483, 21.8003



45.0128, -28.9505, 8.9438

# Sweetspot

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



45.0128, 12.3184, -33.2368



83.6955, 0.8261, -8.0612



64.4081, -20.4884, -3.4340



38.6794, 0.7365, -4.5761



97.7295, -5.2146, 5.3098



44.2712, -2.3622, 2.4053



# Same Dimension

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



45.0128, 12.3184, -33.2368



53.5420, 22.8601, -59.8484



48.0821, 21.7088, -27.2753



29.5594, -0.0605, -2.0039



15.5844, 41.9926, -108.5625



3.0323, 7.9657, -19.5339



# Inverse Universe

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



51.5569, 31.5013, -19.1987



64.7348, 53.4944, -32.9140



65.4301, -23.9263, 24.6479



30.2586, 2.2849, -0.8866



30.3087, 59.0412, -35.7371

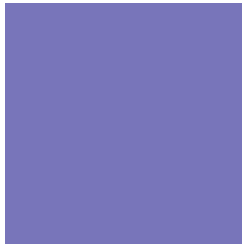


5.7090, 11.1492, -6.9489



# Previews

## White Background



This preview shows how the HunterLab color 45.0120, 12.3187, -33.2380 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

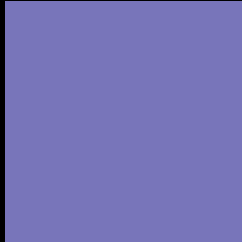
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 45.0120, 12.3187, -33.2380 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

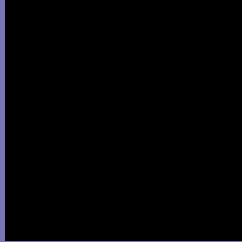
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# HunterLab 45.0120, 12.3187, -33.2380 Background



This preview shows how black text looks on a background with the HunterLab color 45.0120, 12.3187, -33.2380.



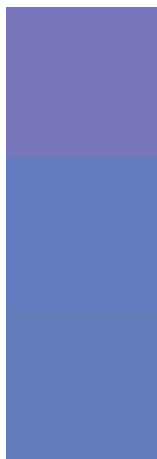
This preview shows how white text looks on a background with the HunterLab color 45.0120, 12.3187, -33.2380.



# 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

45.0120, 12.3187, -33.2380

### Protanopia

45.1066, 6.1820, -36.1305

### Deuteranopia

45.2321, 3.2994, -32.2344



## Tritanopia

44.9845, -5.6660, -3.5731

# Trichromacy



## Original Color

45.0120, 12.3187, -33.2380

## Protanomaly

44.9810, 8.4488, -35.5944

## Deuteranomaly

44.9230, 6.4964, -32.7829

## Tritanomaly

44.7696, 0.6348, -13.4702

# Monochromacy



## Original Color

45.0120, 12.3187, -33.2380

## Achromatopsia

45.6768, -2.4372, 2.4817

## Achromatomaly

45.3752, 2.1834, -8.6104

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 45.0120, 12.3187, -33.2380 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(120, 117, 186)` looks like.

```
.text, #text, p{  
    color:rgb(120, 117, 186)  
}
```

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(120, 117, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 117, 186) }
```

## Border

The CSS property to change the border of an element to HunterLab 45.0120, 12.3187, -33.2380 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(120, 117, 186) }
```



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

```
.border{ border-color:rgb(120, 117, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 117, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 117, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 117, 186); box-shadow:4px 4px 4px 4px rgb(120, 117, 186) }
```

# Background

The CSS property to change the background color of an element to HunterLab 45.0120, 12.3187, -33.2380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 117, 186) }
```

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

```
.background{ background-color: rgb(120,  
117, 186) }
```

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](#).

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