

# Converting Colors

HunterLab(40.5023, 38.4734,  
-18.7188)

Have a look what the booklet for  
HunterLab(40.5023, 38.4734,  
-18.7188) contains.

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# Color

**HunterLab(40.4500, 38.5050,  
-18.5743)**

# Conversions

Conversions Part 1	
Format	Color
Hex	A85099
RGB	168, 80, 153
RGB Percent	66%, 31%, 60%
CMY	0.3412, 0.6863, 0.4000
CMYK	0.00, 0.52, 0.09, 0.34
HSL	310°, 35%, 49%
HSV	310°, 52%, 66%
XYZ	24.7668, 16.3620, 31.9897
YIQ	114.6340, 29.0150, 41.3590

# Conversions

## Conversions Part 2

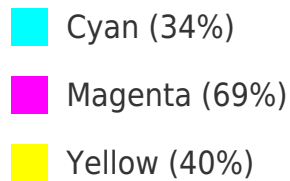
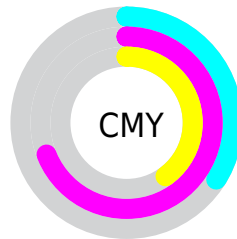
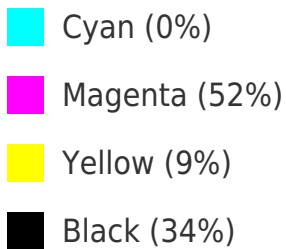
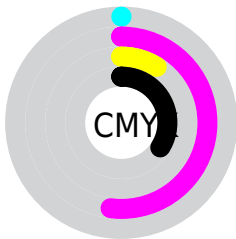
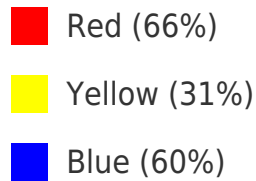
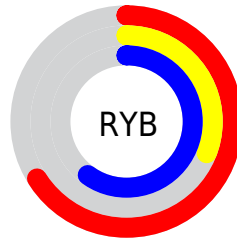
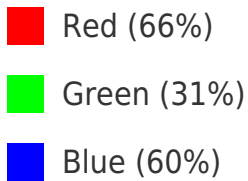
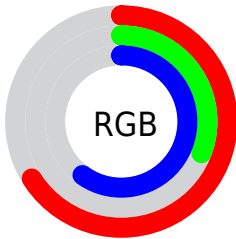
Format	Color
<a href="#">RYB</a>	<a href="#">168, 80, 153</a>
Decimal	<a href="#">11030681</a>
CIELab	<a href="#">47.45, 45.88, -23.57</a>
CIELCh	<a href="#">47, 51.583, 332.814</a>
Yxy	<a href="#">16.3628, 0.3387, 0.2238</a>
Android (android.graphics.Color)	<a href="#">4289220761</a> (0xFFA85099)
YUV	<a href="#">114.6340, 18.9144, 46.8020</a>
Hunter-Lab	<a href="#">40.4500, 38.5050, -18.5743</a>

# Details

The HunterLab color **40.4500, 38.5050, -18.5743** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **55.2608, -34.1153, 21.8371**, and the grayscale version is **41.1871, -2.1976, 2.2378**.

A 20% lighter version of the original color is **61.1037, 41.5387, -19.5241**, and **22.9685, 35.2441, -17.6786** is the 20% darker color. If you saturate the color by 10%, you get **37.5620, 45.7210, -21.6902**, and if you desaturate by 10%, it is **43.8565, 30.6793, -14.8782**.

# Distribution



# Brightness & Saturation Gradients

These gradients show how the HunterLab color 40.4500, 38.5050, -18.5743 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 40.4500, 38.5050, -18.5743 by changing the saturation by 10% instead.





 40.4500, 38.5050,  
-18.5743


 40.4500, 38.5050,  
-18.5743


152.1424, 49.4079,  
-20.3734


 31.2750, 36.7684,  
-18.0876


 61.0138, 41.6258,  
-19.3784


 22.9219, 34.9370,  
-17.5736

 72.3037, 43.0177,  
-19.6893

 15.4827, 33.0833,  
-17.1016


 84.2150, 44.3053,  
-19.9399

 9.0797, 31.5445,  
-16.9341

 96.7168, 45.4955,  
-20.1324

0.0000, INF, -NF

0.0000, NaN, -NF

 109.7825, 46.5951,  
-20.2694

0.0000, NaN, NaN

123.3888, 47.6101,

0.0000, NaN, NaN

-20.3536

0.0000, NaN, NaN

137.5149, 48.5461,  
-20.3875

■ 40.4500, 38.5050,  
-18.5743

■ 40.4500, 38.5050,  
-18.5743

■ 37.5620, 45.7210,  
-21.6902

■ 43.8565, 30.6793,  
-14.8782

■ 35.2502, 51.8898,  
-23.9883

■ 47.7119, 22.5891,  
-10.8116

■ 33.5555, 56.5435,  
-25.2447

■ 51.9540, 14.4563,  
-6.5255

■ 32.4763, 59.3497,  
-25.3430

■ 56.5269, 6.4100,  
-2.1217

■ 31.9368, 60.5626,  
-24.8650

■ 61.3835, -1.4860,  
2.3361

■ 66.4850, -9.2088,  
6.8108

■ 71.7995, -16.7585,  
11.2823

■ 77.3009, -24.1474,  
15.7410

■ 82.9682, -31.3926,  
20.1836

# Harmonies

## Analogous

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



40.4509, 21.1085, -42.7741



40.4500, 38.5050, -18.5743



40.4509, 44.3923, 3.9740

# Triad

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



40.4509, 38.5032, -18.5730



40.4509, -4.0496, 24.4493



40.4509, -29.8974, -23.3688

# Complementary

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



40.4500, 38.5050, -18.5743



55.2608, -34.1153, 21.8371

# 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.



40.4509, -34.0992, 0.3458



40.4500, 38.5050, -18.5743



40.4509, -21.1274, 22.5701

# Square

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



40.4509, 38.5032, -18.5730



40.4509, 17.1545, 23.2061



40.4509, -31.2327, 15.7046



40.4509, -18.4177, -46.3693



# Rectangle

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



40.4500, 38.5050, -18.5743



40.4509, 40.2193, 14.0664



40.4509, -31.2327, 15.7046



40.4509, -32.0934, -14.9006

# Sweetspot

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



40.4509, 38.5032, -18.5730



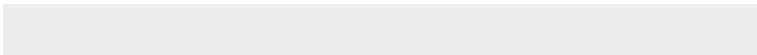
73.6859, 12.8574, -5.1930



33.1367, 20.7766, -45.5026



33.8371, 6.9935, -2.9671



92.0917, -4.9138, 5.0035



39.3538, -2.0998, 2.1382



# Same Dimension

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



40.4509, 38.5032, -18.5730



49.9866, 63.1890, -29.8590



38.9541, 31.7065, 2.3927



27.6484, 1.8835, -0.3562



27.7648, 52.6704, -21.7668



4.3952, 8.4422, -4.2548



# Inverse Universe

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



40.4509, 38.5032, -18.5730



49.9866, 63.1890, -29.8590



56.1833, -28.5916, 8.4763



27.6484, 1.8835, -0.3562



27.7648, 52.6704, -21.7668

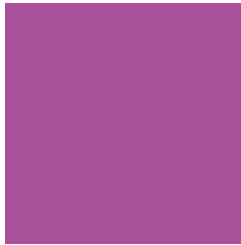


4.3952, 8.4422, -4.2548



# Previews

## White Background



This preview shows how the HunterLab color 40.4500, 38.5050, -18.5743 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

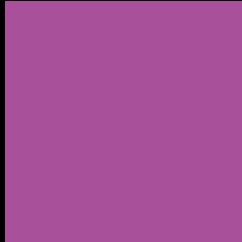
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 40.4500, 38.5050, -18.5743 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

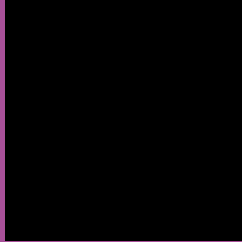
Any Text WCAG AA × Fail

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 40.4500, 38.5050, -18.5743 Background



This preview shows how black text looks on a background with the HunterLab color 40.4500, 38.5050, -18.5743.



This preview shows how white text looks on a background with the HunterLab color 40.4500, 38.5050, -18.5743.



# 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

40.4500, 38.5050, -18.5743

### Protanopia

40.8141, 6.1820, -35.9285

### Deuteranopia

40.6328, 2.9385, -15.7922



## Tritanopia

40.5104, 21.9328, 8.0697

# Trichromacy



## Original Color

40.4500, 38.5050, -18.5743



## Protanomaly

39.6999, 16.1996, -31.3120



## Deuteranomaly

39.8818, 15.0859, -18.0568



## Tritanomaly

40.2540, 27.6844, -0.4171

# Monochromacy



## Original Color

40.4500, 38.5050, -18.5743



## Achromatopsia

41.4054, -2.2093, 2.2496



## Achromatomaly

40.1946, 12.0174, -5.6575

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 40.4500, 38.5050, -18.5743 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(168, 80, 153)` looks like.

```
.text, #text, p{  
    color:rgb(168, 80, 153)  
}
```

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(168, 80, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 80, 153) }
```

## Border

The CSS property to change the border of an element to HunterLab 40.4500, 38.5050, -18.5743 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(168, 80, 153) }
```



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

```
.border{ border-color:rgb(168, 80, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 80, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 80, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 80, 153);  
box-shadow:4px 4px 4px 4px rgb(168, 80,  
153) }
```

# Background

The CSS property to change the background color of an element to HunterLab 40.4500, 38.5050, -18.5743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 80, 153) }
```

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

```
.background{ background-color: rgb(168, 80,  
153) }
```

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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