

# Converting Colors

HunterLab(48.6525, -13.6384,  
25.8926)

Have a look what the booklet for  
HunterLab(48.6525, -13.6384,  
25.8926) contains.

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# Color

**HunterLab(48.6732,  
-13.6543, 25.9380)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	858B33
RGB	133, 139, 51
RGB Percent	52%, 55%, 20%
CMY	0.4784, 0.4549, 0.8000
CMYK	0.04, 0.00, 0.63, 0.45
HSL	64°, 46%, 37%
HSV	64°, 63%, 55%
XYZ	19.5030, 23.6908, 6.6769
YIQ	127.1740, 24.6720, -28.6400

# Conversions

## Conversions Part 2

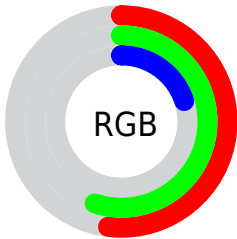
<b>Format</b>	<b>Color</b>
<b>RYB</b>	51, 139, 57
Decimal	8751923
CIELab	55.78, -14.47, 44.89
CIELCh	56, 47.161, 107.873
Yxy	23.6919, 0.3911, 0.4750
Android (android.graphics.Color)	4286942003 (0xFF858B33)
YUV	127.1740, -37.5538, 5.1094
Hunter-Lab	48.6732, -13.6543, 25.9380

# Details

The HunterLab color  $48.6732, -13.6543, 25.9380$  is a dark color, and the websafe version is hex  $999933$ . A complement of this color would be  $22.5880, 19.9936, -49.8500$ , and the grayscale version is  $46.2734, -2.4690, 2.5141$ .

A 20% lighter version of the original color is  $70.2495, -16.2502, 32.3936$ , and  $29.8230, -10.4981, 18.1930$  is the 20% darker color. If you saturate the color by 10%, you get  $48.4873, -14.5664, 27.4721$ , and if you desaturate by 10%, it is  $48.8988, -12.5367, 23.8658$ .

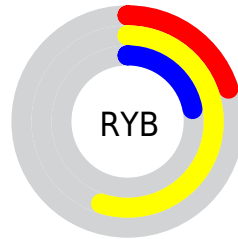
# Distribution



Red (52%)

Green (55%)

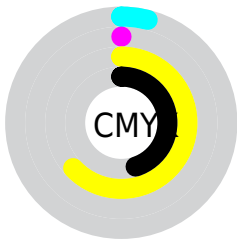
Blue (20%)



Red (20%)

Yellow (55%)

Blue (22%)

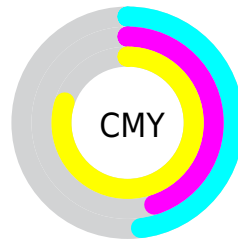


Cyan (4%)

Magenta (0%)

Yellow (63%)

Black (45%)



Cyan (48%)

Magenta (45%)

Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 48.6732, -13.6543, 25.9380 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 48.6732, -13.6543, 25.9380 by changing the saturation by 10% instead.



■ 48.6732, -13.6543,  
25.9380

■ 48.6732, -13.6543,  
25.9380

164.6994,  
-25.8378, 52.4776

■ 38.8654, -12.2542,  
22.3458

■ 70.3754, -16.3906,  
32.5624

■ 29.8216, -10.8118,  
18.5087

■ 82.1852, -17.7402,  
35.6607

■ 21.6140, -9.3049,  
15.1298

■ 94.5905, -19.0851,  
38.6495

■ 14.3385, -7.6913,  
10.0369

■ 107.5638,  
-20.4288, 41.5470

■ 7.9979, -8.3130,  
5.5985

■ 121.0814,  
-21.7741, 44.3679

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 135.1220,

-23.1230, 47.1238

0.0000, NaN, NaN

149.6670,  
-24.4771, 49.8244

0.0000, NaN, NaN

■ 48.6732, -13.6543,  
25.9380

■ 48.6732, -13.6543,  
25.9380

■ 48.4873, -14.5664,  
27.4721

■ 48.8988, -12.5367,  
23.8658

■ 48.3348, -15.2836,  
28.5087

■ 49.1633, -11.1974,  
21.2225

■ 48.2128, -15.8283,  
29.1029

■ 49.4699, -9.6297,  
17.9851

■ 48.1397, -16.1454,  
29.3808

■ 49.8201, -7.8282,  
14.1375

■ 50.2155, -5.7903,  
9.6706

■ 50.6569, -3.5157,  
4.5812

■ 51.1451, -1.0060,  
-1.1281

■ 51.6806, 1.7349,  
-7.4499

■ 52.2636, 4.7016,  
-14.3720

# Harmonies

## Analogous

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



48.6743, 5.5908, 26.3110



48.6732, -13.6543, 25.9380



48.6743, -27.5606, 21.1116

# Triad

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



48.6743, -13.6559, 25.9384



48.6743, -25.4293, -32.2334



48.6743, 40.0974, -5.5180

# Complementary

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



48.6732, -13.6543, 25.9380



22.5880, 19.9936, -49.8500

# 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.



48.6743, 28.6939, -28.1323



48.6732, -13.6543, 25.9380



48.6743, -10.2821, -47.1838

# Square

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



48.6743, -13.6559, 25.9384



48.6743, -33.5792, -9.7154



48.6743, 9.5408, -45.4407



48.6743, 38.8084, 12.4354



# Rectangle

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



48.6732, -13.6543, 25.9380



48.6743, -32.8752, 14.3315



48.6743, 9.5408, -45.4407



48.6743, 37.5553, -12.9172

# Sweetspot

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



48.6743, -13.6559, 25.9384



66.8671, -9.4510, 16.6892



29.3968, 25.6856, 12.2463



32.0349, -4.8615, 8.7191



84.2951, -4.4978, 4.5799



32.6403, -1.7416, 1.7734



# Same Dimension

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



48.6743, -13.6559, 25.9384



64.7907, -19.9397, 37.4432



45.6464, -25.2763, 23.6161



24.1410, -2.3340, 3.6541



45.7358, -15.3259, 27.9139



3.7600, -1.1282, 2.2972



# Inverse Universe

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



22.5880, 19.9936, -49.8500



24.1901, 36.5186, -91.6690



26.4411, 29.3156, -37.9689



22.1529, -0.0568, -1.3540



13.1939, 35.3461, -90.3186



1.1585, 2.9487, -6.7295



# Previews

## White Background



This preview shows how the HunterLab color 48.6732, -13.6543, 25.9380 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 48.6732, -13.6543, 25.9380 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

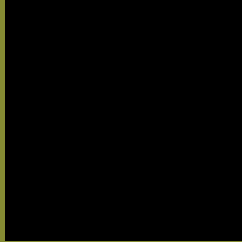
Any Text WCAG AA ✓ Pass

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 48.6732, -13.6543, 25.9380 Background



This preview shows how black text looks on a background with the HunterLab color 48.6732, -13.6543, 25.9380.



This preview shows how white text looks on a background with the HunterLab color 48.6732, -13.6543, 25.9380.

-13.6543, 25.9380.

# 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

48.6732, -13.6543, 25.9380

### Protanopia

48.6519, -6.2764, 26.1917

### Deuteranopia

48.5403, 3.3290, 25.5537



## Tritanopia

48.5896, 2.6635, -0.2875

# Trichromacy



## Original Color

48.6732, -13.6543, 25.9380

## Protanomaly

48.6603, -9.1942, 26.1465

## Deuteranomaly

48.3415, -2.9620, 25.4555

## Tritanomaly

48.3185, -4.2380, 12.2906

# Monochromacy



## Original Color

48.6732, -13.6543, 25.9380

## Achromatopsia

46.0685, -2.4581, 2.5030

## Achromatomaly

46.6911, -7.4603, 13.6506

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 48.6732, -13.6543, 25.9380 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(133, 139, 51)` looks like.

```
.text, #text, p{  
    color:rgb(133, 139, 51)  
}
```

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(133, 139, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 139, 51) }
```

## Border

The CSS property to change the border of an element to HunterLab 48.6732, -13.6543, 25.9380 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(133, 139, 51) }
```



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

```
.border{ border-color:rgb(133, 139, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 139, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 139, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 139, 51);  
box-shadow:4px 4px 4px 4px rgb(133, 139,  
51) }
```

# Background

The CSS property to change the background color of an element to HunterLab 48.6732, -13.6543, 25.9380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 139, 51) }
```

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

```
.background{ background-color: rgb(133,  
139, 51) }
```

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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