

# Converting Colors

HunterLab(45.2645, -9.3935,  
10.0197)

Have a look what the booklet for  
HunterLab(45.2645, -9.3935,  
10.0197) contains.

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# Color

HunterLab(45.3023, -9.1914,  
9.9083)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	75816A
RGB	117, 129, 106
RGB Percent	46%, 51%, 42%
CMY	0.5412, 0.4941, 0.5843
CMYK	0.09, 0.00, 0.18, 0.49
HSL	91°, 10%, 46%
HSV	91°, 18%, 51%
XYZ	17.7878, 20.5230, 16.6595
YIQ	122.7900, 0.2310, -9.6970

# Conversions

## Conversions Part 2

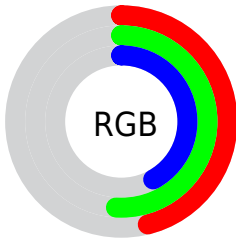
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	106, 129, 118
Decimal	7700842
CIE Lab	52.42, -8.93, 11.00
CIE LCh	52, 14.170, 129.068
Yxy	20.5239, 0.3236, 0.3734
Android (android.graphics.Color)	4285890922 (0xFF75816A)
YUV	122.7900, -8.2775, -5.0778
Hunter-Lab	45.3023, -9.1914, 9.9083

# Details

The HunterLab color  $45.3023, -9.1914, 9.9083$  is a dark color, and the websafe version is hex  $666666$ . A complement of this color would be  $39.6802, 5.1826, -6.4929$ , and the grayscale version is  $44.4551, -2.3720, 2.4153$ .

A 20% lighter version of the original color is  $66.5772, -11.4756, 12.4168$ , and  $27.0524, -7.0106, 7.4784$  is the 20% darker color. If you saturate the color by 10%, you get  $44.5260, -12.5964, 13.3953$ , and if you desaturate by 10%, it is  $46.1476, -5.5330, 5.9558$ .

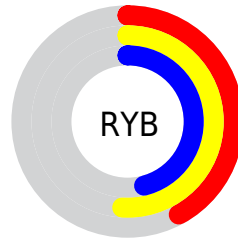
# Distribution



Red (46%)

Green (51%)

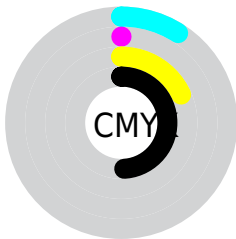
Blue (42%)



Red (42%)

Yellow (51%)

Blue (46%)

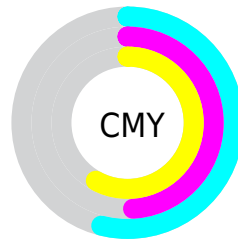


Cyan (9%)

Magenta (0%)

Yellow (18%)

Black (49%)



Cyan (54%)

Magenta (49%)

Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 45.3023, -9.1914, 9.9083 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 45.3023, -9.1914, 9.9083 by changing the saturation by 10% instead.



45.3023, -9.1914,  
9.9083

45.3023, -9.1914,  
9.9083

159.6049,  
-19.0104, 20.6432

35.7441, -8.1348,  
8.7107

66.5536, -11.3073,  
12.2691

26.9718, -7.0665,  
7.4843

78.1569, -12.3733,  
13.4452

19.0644, -5.9734,  
6.2074

90.3657, -13.4487,  
14.6244

12.1297, -4.8279,  
4.9300

103.1513,  
-14.5351, 15.8095

5.1807, -7.7882,  
3.6265

116.4889,  
-15.6337, 17.0026

0.0000, NaN, NaN

130.3563,

0.0000, NaN, NaN

-16.7454, 18.2052

0.0000, NaN, NaN

144.7342,  
-17.8708, 19.4185

0.0000, NaN, NaN

■ 45.3023, -9.1914,  
9.9083

■ 45.3023, -9.1914,  
9.9083

■ 44.5260, -12.5964,  
13.3953

■ 46.1476, -5.5330,  
5.9558

■ 43.8166, -15.7292,  
16.4020

■ 47.0578, -1.6351,  
1.5535

■ 43.1751, -18.5776,  
18.9219

■ 48.0326, 2.4828,  
-3.2769

■ 42.6014, -21.1316,  
20.9548

■ 49.0703, 6.8023,  
-8.5122

■ 42.0946, -23.3854,  
22.5095

■ 50.1690, 11.3049,  
-14.1277

■ 41.6530, -25.3385,  
23.6049

■ 51.3268, 15.9727,  
-20.0977

■ 41.2740, -26.9967,  
24.2729

■ 52.5415, 20.7885,  
-26.3970

■ 40.9501, -28.3983,  
24.6197

■ 53.8110, 25.7363,  
-33.0005

■ 40.8844, -28.6839,  
24.6906

■ 55.1332, 30.8012,  
-39.8841

# Harmonies

## Analogous

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



45.3033, -4.1525, 11.6873



45.3023, -9.1914, 9.9083



45.3033, -12.3096, 6.0718

# Triad

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



45.3033, -9.1925, 9.9089



45.3033, -6.3101, -8.5227



45.3033, 9.0476, 4.0956

# Complementary

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



45.3023, -9.1914, 9.9083



39.6802, 5.1826, -6.4929

# 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.



45.3033, 8.3989, -1.4630



45.3023, -9.1914, 9.9083



45.3033, -0.6605, -9.2242

# Square

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



45.3033, -9.1925, 9.9089



45.3033, -10.7042, -4.6913



45.3033, 4.7759, -6.5030



45.3033, 6.5065, 8.6177



# Rectangle

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



45.3023, -9.1914, 9.9083



45.3033, -12.9731, 2.6371



45.3033, 4.7759, -6.5030



45.3033, 9.1980, 2.2942

# Sweetspot

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



45.3033, -9.1925, 9.9089



62.0750, -6.0192, 6.4297



43.1716, -0.6293, 7.8641



29.4994, -3.0066, 3.2187



80.9895, -4.3214, 4.4003



29.8298, -1.5916, 1.6207



# Same Dimension

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



45.3033, -9.1925, 9.9089



60.2320, -14.0098, 15.0415



44.5131, -12.0681, 8.9153



22.1624, -2.8915, 3.1184



40.3724, -28.3101, 24.3817

0.0000, NaN, NaN



# Inverse Universe

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



39.6802, 5.1826, -6.4929



51.2047, 9.0955, -11.3539



40.6824, 8.4201, -4.8598



20.7689, 0.6645, -0.9314



16.4990, 37.6212, -61.9442

0.0000, NaN, NaN



# Previews

## White Background



This preview shows how the HunterLab color 45.3023, -9.1914, 9.9083 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

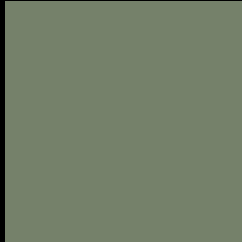
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 45.3023, -9.1914, 9.9083 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

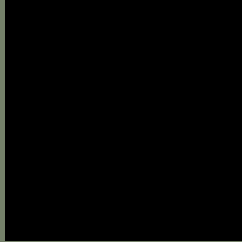
Any Text WCAG AA ✓ Pass

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 45.3023, -9.1914, 9.9083 Background



This preview shows how black text looks on a background with the HunterLab color 45.3023, -9.1914, 9.9083.



This preview shows how white text looks on a background with the HunterLab color 45.3023, -9.1914,



# 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

45.3023, -9.1914, 9.9083

### Protanopia

45.3566, -3.2304, 10.7720

### Deuteranopia

45.1168, 3.1444, 9.2116



## Tritanopia

45.2564, -1.9244, -2.1763

# Trichromacy



## Original Color

45.3023, -9.1914, 9.9083

## Protanomaly

45.2257, -5.0897, 10.2581

## Deuteranomaly

45.0508, -1.3056, 9.4309

## Tritanomaly

45.1332, -4.4530, 2.6828

# Monochromacy



## Original Color

45.3023, -9.1914, 9.9083

## Achromatopsia

44.5050, -2.3747, 2.4180

## Achromatomaly

44.7398, -4.7653, 5.1822

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 45.3023, -9.1914, 9.9083 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(117, 129, 106)` looks like.

```
.text, #text, p{  
    color:rgb(117, 129, 106)  
}
```

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(117, 129, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 129, 106) }
```

## Border

The CSS property to change the border of an element to HunterLab 45.3023, -9.1914, 9.9083 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(117, 129, 106) }
```



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

```
.border{ border-color:rgb(117, 129, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 129, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 129, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 129, 106);  
box-shadow:4px 4px 4px 4px rgb(117, 129,  
106) }
```

# Background

The CSS property to change the background color of an element to HunterLab 45.3023, -9.1914, 9.9083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 129, 106) }
```

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

```
.background{ background-color: rgb(117,  
129, 106) }
```

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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