

# Converting Colors

HunterLab(40.9833, -25.6220,  
23.9681)

Have a look what the booklet for  
HunterLab(40.9833, -25.6220,  
23.9681) contains.

<b>HunterLab(40.8390, -25.4759, 23.8880)</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(40.8390,  
-25.4759, 23.8880)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4A7F12
RGB	74, 127, 18
RGB Percent	29%, 50%, 7%
CMY	0.7098, 0.5020, 0.9294
CMYK	0.42, 0.00, 0.86, 0.50
HSL	89°, 75%, 28%
HSV	89°, 86%, 50%
XYZ	10.5226, 16.6782, 3.2369
YIQ	98.7270, 3.4010, -45.1350

# Conversions

## Conversions Part 2

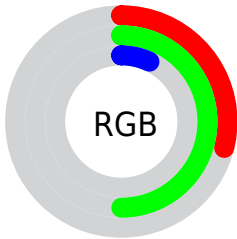
<b>Format</b>	<b>Color</b>
<b>RYB</b>	18, 127, 71
Decimal	4882194
CIELab	47.85, -35.14, 48.13
CIELCh	48, 59.595, 126.132
Yxy	16.6790, 0.3457, 0.5479
Android (android.graphics.Color)	4283072274 (0xFF4A7F12)
YUV	98.7270, -39.7984, -21.6856
Hunter-Lab	40.8390, -25.4759, 23.8880

# Details

The HunterLab color  $40.8390, -25.4759, 23.8880$  is a dark color, and the websafe version is hex  $669933$ . A complement of this color would be  $18.1799, 33.4441, -53.6978$ , and the grayscale version is  $35.3651, -1.8870, 1.9215$ .

A 20% lighter version of the original color is  $61.4107, -30.6575, 31.2186$ , and  $23.3371, -18.4869, 14.0566$  is the 20% darker color. If you saturate the color by 10%, you get  $40.5138, -26.8823, 24.2708$ , and if you desaturate by 10%, it is  $41.2189, -23.8202, 23.1463$ .

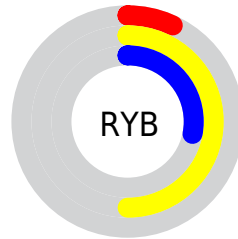
# Distribution



Red (29%)

Green (50%)

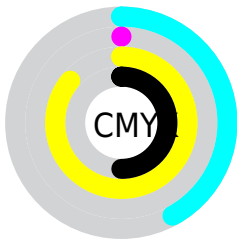
Blue (7%)



Red (7%)

Yellow (50%)

Blue (28%)

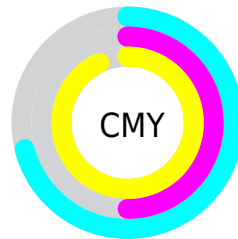


Cyan (42%)

Magenta (0%)

Yellow (86%)

Black (50%)



Cyan (71%)

Magenta (50%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 40.8390, -25.4759, 23.8880 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 40.8390, -25.4759, 23.8880 by changing the saturation by 10% instead.



40.8390, -25.4759,  
23.8880

40.8390, -25.4759,  
23.8880

152.7467,  
-47.2104, 52.8416

31.6321, -22.5591,  
19.8613

61.4597, -30.8350,  
31.2444

23.2440, -19.4001,  
16.2708

72.7755, -33.3489,  
34.6517

15.7655, -15.8862,  
11.0359

84.7113, -35.7837,  
37.9198

9.3240, -16.3170,  
6.5268

97.2365, -38.1552,  
41.0718

0.0000, NaN, NaN

0.0000, NaN, NaN

110.3247,  
-40.4753, 44.1264


0.0000, NaN, NaN


123.9524,


0.0000, NaN, NaN


-42.7532, 47.0984


0.0000, NaN, NaN


 138.0992,  
-44.9962, 50.0001


 40.8390, -25.4759,  
23.8880


 40.8390, -25.4759,  
23.8880


 40.5138, -26.8823,  
24.2708


 41.2189, -23.8202,  
23.1463

 40.3876, -27.4279,  
24.4065

 41.6557, -21.8898,  
21.9760

 42.1528, -19.6804,  
20.3482

 42.7114, -17.1926,  
18.2456

 43.3325, -14.4316,  
15.6605

■ 44.0163, -11.4061,  
12.5930

■ 44.7626, -8.1277,  
9.0498

■ 45.5708, -4.6104,  
5.0432

■ 46.4400, -0.8692,  
0.5895

# Harmonies

## Analogous

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



40.8399, -6.8790, 25.9919



40.8390, -25.4759, 23.8880



40.8399, -35.7292, 16.0299

# Triad

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



40.8399, -25.4768, 23.8882



40.8399, -18.8442, -59.5127



40.8399, 52.8965, 6.5374

# Complementary

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



40.8390, -25.4759, 23.8880



18.1799, 33.4441, -53.6978

# 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.



40.8399, 47.6671, -19.1732



40.8390, -25.4759, 23.8880



40.8399, 2.7389, -67.3719

# Square

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



40.8399, -25.4768, 23.8882



40.8399, -32.5466, -31.9395



40.8399, 27.8912, -49.6800



40.8399, 40.8987, 20.2684



# Rectangle

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



40.8390, -25.4759, 23.8880



40.8399, -38.0851, 5.0069



40.8399, 27.8912, -49.6800



40.8399, 53.1256, -0.7718

# Sweetspot

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



40.8399, -25.4768, 23.8882



58.8252, -15.5981, 17.2018



30.0379, 13.3683, 17.6132



28.3325, -8.1263, 8.9215



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.



40.8399, -25.4768, 23.8882



53.9629, -37.0418, 32.6032



39.2046, -32.2573, 22.7271



22.1785, -2.8344, 3.1369



40.5576, -27.5482, 24.5091

0.0000, NaN, NaN



# Inverse Universe

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



18.1799, 33.4441, -53.6978



21.1559, 49.2002, -86.8708



25.1777, 44.7859, -30.9863



20.7517, 0.6062, -0.9544



16.0297, 37.0918, -64.3728

0.0000, NaN, NaN



# Previews

## White Background



This preview shows how the HunterLab color 40.8390, -25.4759, 23.8880 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 40.8390, -25.4759, 23.8880 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

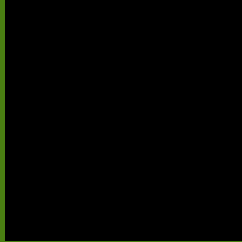
Any Text WCAG AA × Fail

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 40.8390, -25.4759, 23.8880 Background



This preview shows how black text looks on a background with the HunterLab color 40.8390, -25.4759, 23.8880.



This preview shows how white text looks on a background with the HunterLab color 40.8390,

-25.4759, 23.8880.

# 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

40.8390, -25.4759, 23.8880

### Protanopia

40.5354, -5.3833, 24.2758

### Deuteranopia

40.4474, 2.6842, 23.1700



## Tritanopia

40.7912, -7.9573, -4.6874

# Trichromacy



## Original Color

40.8390, -25.4759, 23.8880

## Protanomaly

40.2238, -13.8156, 23.8777

## Deuteranomaly

39.8637, -9.1330, 22.9504

## Tritanomaly

40.3288, -16.3335, 10.9912

# Monochromacy



## Original Color

40.8390, -25.4759, 23.8880

## Achromatopsia

35.3231, -1.8847, 1.9192

## Achromatomaly

36.8146, -12.1061, 13.1412

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 40.8390, -25.4759, 23.8880 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(74, 127, 18)` looks like.

```
.text, #text, p{  
    color:rgb(74, 127, 18)  
}
```

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(74, 127, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 127, 18) }
```

## Border

The CSS property to change the border of an element to HunterLab 40.8390, -25.4759, 23.8880 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(74, 127, 18) }
```



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

```
.border{ border-color:rgb(74, 127, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 127, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 127, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 127, 18);  
box-shadow:4px 4px 4px 4px rgb(74, 127,  
18) }
```

# Background

The CSS property to change the background color of an element to HunterLab 40.8390, -25.4759, 23.8880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 127, 18) }
```

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

```
.background{ background-color: rgb(74, 127,  
18) }
```

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