

# Converting Colors

HunterLab(14.4890, 35.1855,  
-68.7820)

Have a look what the booklet for  
HunterLab(14.4890, 35.1855,  
-68.7820) contains.

<b>HunterLab(14.5197, 34.8876, -68.3083)</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(14.5197, 34.8876,  
-68.3083)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	31007C
RGB	49, 0, 124
RGB Percent	19%, 0%, 49%
CMY	0.8078, 1.0000, 0.5137
CMYK	0.60, 1.00, 0.00, 0.51
HSL	264°, 100%, 24%
HSV	264°, 100%, 49%
XYZ	4.9047, 2.1082, 19.2173
YIQ	28.7870, -10.6000, 48.9520

# Conversions

## Conversions Part 2

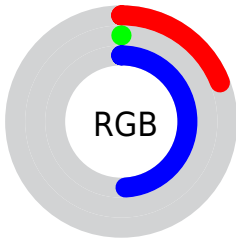
<b>Format</b>	<b>Color</b>
<b>RYB</b>	49, 0, 124
Decimal	3211388
CIELab	16.05, 48.02, -56.94
CIELCh	16, 74.485, 310.147
Yxy	2.1083, 0.1870, 0.0804
Android (android.graphics.Color)	4281401468 (0xFF31007C)
YUV	28.7870, 46.9400, 17.7268
Hunter-Lab	14.5197, 34.8876, -68.3083

# Details

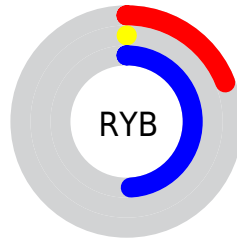
The HunterLab color **14.5197, 34.8876, -68.3083** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **39.8887, -24.5677, 24.1491**, and the grayscale version is **10.8811, -0.5806, 0.5912**.

A 20% lighter version of the original color is **30.0182, 38.7212, -64.0168**, and **7.0314, 19.0728, -49.9614** is the 20% darker color. If you saturate the color by 10%, you get **14.5200, 34.8880, -68.3066**, and if you desaturate by 10%, it is **16.0728, 32.2177, -59.8744**.

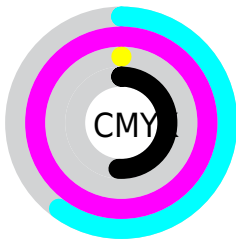
# Distribution



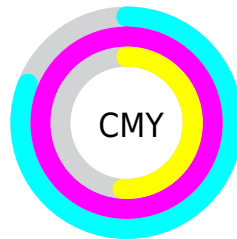
- Red (19%)
- Green (0%)
- Blue (49%)



- Red (19%)
- Yellow (0%)
- Blue (49%)



- Cyan (60%)
- Magenta (100%)
- Yellow (0%)
- Black (51%)



- Cyan (81%)
- Magenta (100%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 14.5197, 34.8876, -68.3083 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 14.5197, 34.8876, -68.3083 by changing the saturation by 10% instead.



■ 14.5197, 34.8876,  
-68.3083

■ 14.5197, 34.8876,  
-68.3083

■ 107.9187, 49.0971,  
-67.3593

■ 8.1811, 34.2466,  
-78.6965

■ 30.0532, 38.6505,  
-63.6815

0.0000, INF, -NF

0.0000, NaN, -NF

■ 39.1183, 40.4684,  
-63.4605

0.0000, NaN, -NF

■ 48.9469, 42.1777,  
-63.7441

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 59.4835, 43.7725,  
-64.2960

0.0000, NaN, NaN


■ 70.6835, 45.2558,  
-64.9912


0.0000, NaN, NaN


■ 82.5097, 46.6333,


0.0000, NaN, NaN


-65.7589


 94.9305, 47.9115,  
-66.5569


 14.5197, 34.8876,  
-68.3083


 14.5197, 34.8876,  
-68.3083


 14.5200, 34.8880,  
-68.3066

 16.0728, 32.2177,  
-59.8744

 17.9780, 29.0649,  
-51.3009

 20.3705, 25.1779,  
-42.5087

 23.1620, 21.0141,  
-34.1723

 26.2733, 16.8313,  
-26.5479

■ 29.6415, 12.7428,  
-19.6542

■ 33.2191, 8.7835,  
-13.4113

■ 36.9705, 4.9516,  
-7.7132

■ 40.8693, 1.2317,  
-2.4587

# Harmonies

## Analogous

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



14.5200, 6.9336, -107.9526



14.5197, 34.8876, -68.3083



14.5200, 58.9337, -18.8779

# Triad

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



14.5200, 34.8880, -68.3066



14.5200, 15.3882, 10.1640



14.5200, -25.4101, -7.6004

# Complementary

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



14.5197, 34.8876, -68.3083



39.8887, -24.5677, 24.1491

# 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.



14.5200, -25.4101, 9.4876



14.5197, 34.8876, -68.3083



14.5200, -7.1506, 10.1640

# Square

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



14.5200, 34.8880, -68.3066



14.5200, 43.9687, 10.1640



14.5200, -19.0664, 10.1640



14.5200, -21.7407, -51.0533



# Rectangle

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



14.5197, 34.8876, -68.3083



14.5200, 64.4289, 0.8874



14.5200, -19.0664, 10.1640



14.5200, -25.4101, 0.6927

# Sweetspot

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



14.5200, 34.8880, -68.3066



43.7211, 12.0199, -18.3549



25.8625, -2.0893, -27.8158



20.4048, 6.7134, -10.2730



79.8926, -4.2629, 4.3407



28.9024, -1.5422, 1.5703



# Same Dimension

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



14.5200, 34.8880, -68.3066



19.0624, 46.0788, -91.8184



21.7725, 43.9697, -37.7419



19.9089, 0.4274, -0.9568



14.6350, 35.1711, -68.9009



31.2296, 76.0776, -154.9805



# Inverse Universe

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



21.8931, 39.8126, -3.8380



28.9946, 52.6411, -4.4193



38.0953, -32.0114, 22.9137



20.1294, 1.0469, 0.3221



22.0727, 40.1372, -3.8530

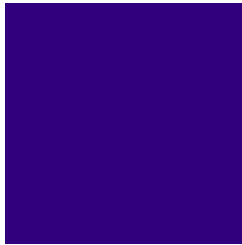


48.0302, 87.0198, -5.9137



# Previews

## White Background



This preview shows how the HunterLab color 14.5197, 34.8876, -68.3083 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

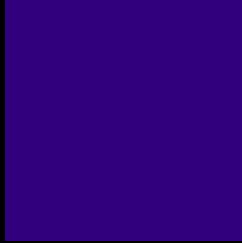
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the HunterLab color 14.5197, 34.8876, -68.3083 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

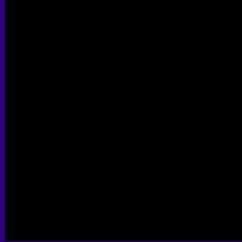
Any Text WCAG AA × Fail

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 14.5197, 34.8876, -68.3083 Background



This preview shows how black text looks on a background with the HunterLab color 14.5197, 34.8876, -68.3083.



This preview shows how white text looks on a background with the HunterLab color 14.5197, 34.8876, -68.3083.



# 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

14.5197, 34.8876, -68.3083

### Protanopia

15.4182, 3.4796, -26.7827

### Deuteranopia

15.4427, -1.4983, -16.0676



## Tritanopia

15.6205, -6.4422, -2.8189

# Trichromacy



## Original Color

14.5197, 34.8876, -68.3083

## Protanomaly

13.6813, 15.7163, -45.7702

## Deuteranomaly

13.4076, 12.0114, -37.3231

## Tritanomaly

13.1784, 7.6310, -24.1737

# Monochromacy



## Original Color

14.5197, 34.8876, -68.3083

## Achromatopsia

11.0844, -0.5914, 0.6022

## Achromatomaly

10.8529, 11.7520, -19.6054

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 14.5197, 34.8876, -68.3083 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(49, 0, 124)` looks like.

```
.text, #text, p{  
    color:rgb(49, 0, 124)  
}
```

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(49, 0, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 0, 124) }
```

## Border

The CSS property to change the border of an element to HunterLab 14.5197, 34.8876, -68.3083 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(49, 0, 124) }
```



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

```
.border{ border-color:rgb(49, 0, 124) }
```

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

Here you see how a box with a 4 pixel rgb(49, 0, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 0, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 0, 124);  
box-shadow:4px 4px 4px 4px rgb(49, 0, 124)  
}
```

# Background

The CSS property to change the background color of an element to HunterLab 14.5197, 34.8876, -68.3083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 0, 124) }
```

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

```
.background{ background-color: rgb(49, 0,  
124) }
```

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