

# Converting Colors

HunterLab(13.7627, 21.3103,  
-15.8760)

Have a look what the booklet for  
HunterLab(13.7627, 21.3103,  
-15.8760) contains.

<b>HunterLab(13.7415, 21.3671, -16.1591)</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(13.7415, 21.3671,  
-16.1591)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	420D46
RGB	66, 13, 70
RGB Percent	26%, 5%, 27%
CMY	0.7412, 0.9490, 0.7255
CMYK	0.06, 0.81, 0.00, 0.73
HSL	296°, 69%, 16%
HSV	296°, 81%, 27%
XYZ	3.4962, 1.8883, 5.9745
YIQ	35.3450, 13.2910, 28.9630

# Conversions

## Conversions Part 2

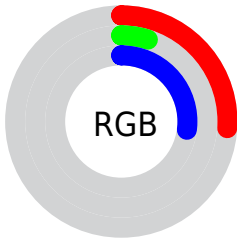
<b>Format</b>	<b>Color</b>
<b>RYB</b>	66, 13, 70
Decimal	4328774
CIELab	14.89, 33.14, -22.74
CIElCh	15, 40.192, 325.541
Yxy	1.8884, 0.3078, 0.1662
Android (android.graphics.Color)	4282518854 (0xFF420D46)
YUV	35.3450, 17.0849, 26.8844
Hunter-Lab	13.7415, 21.3671, -16.1591




# Details

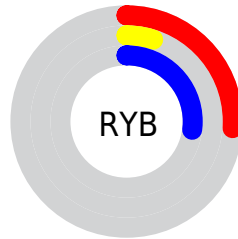
The HunterLab color **13.7415, 21.3671, -16.1591** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **21.2805, -16.3210, 11.7661**, and the grayscale version is **13.0188, -0.6946, 0.7073**.




A 20% lighter version of the original color is **28.9524, 24.5560, -17.4704**, and **4.0018, 8.7169, -11.8606** is the 20% darker color. If you saturate the color by 10%, you get **13.0911, 23.2387, -17.7693**, and if you desaturate by 10%, it is **14.5533, 19.1247, -14.3036**.

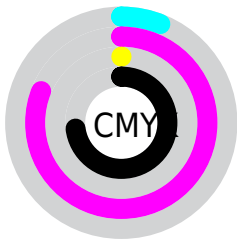
# Distribution







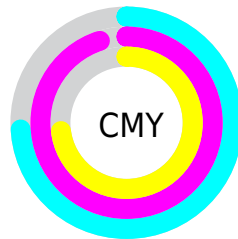
-  Red (26%)
-  Green (5%)
-  Blue (27%)






-  Red (26%)
-  Yellow (5%)
-  Blue (27%)



-  Cyan (6%)
-  Magenta (81%)
-  Yellow (0%)
-  Black (73%)



-  Cyan (74%)
-  Magenta (95%)
-  Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 13.7415, 21.3671, -16.1591 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 13.7415, 21.3671, -16.1591 by changing the saturation by 10% instead.



13.7415, 21.3671,  
-16.1591

13.7415, 21.3671,  
-16.1591

106.3897, 30.9924,  
-19.2314

7.3578, 21.6044,  
-17.0987

29.0579, 24.3377,  
-17.1109

0.0000, INF, -NF

0.0000, NaN, NaN

38.0307, 25.6257,  
-17.5899

0.0000, NaN, NaN

47.7741, 26.7835,  
-18.0160

0.0000, NaN, NaN

0.0000, NaN, NaN

58.2313, 27.8225,  
-18.3808

0.0000, NaN, NaN


69.3567, 28.7536,  
-18.6828


0.0000, NaN, NaN


81.1122, 29.5868,


0.0000, NaN, NaN


-18.9236


 93.4658, 30.3306,  
-19.1055


 13.7415, 21.3671,  
-16.1591


 13.7415, 21.3671,  
-16.1591


 13.0911, 23.2387,  
-17.7693


 14.5533, 19.1247,  
-14.3036

 12.5261, 24.9814,  
-19.2708

 15.5527, 16.5227,  
-12.2165

 16.7227, 13.6980,  
-9.9994

 18.0442, 10.7619,  
-7.7321

 19.4980, 7.7928,  
-5.4686

■ 21.0668, 4.8403,  
-3.2416

■ 22.7355, 1.9319,  
-1.0673

■ 24.4913, -0.9191,  
1.0480

■ 26.3234, -3.7090,  
3.1044

# Harmonies

## Analogous

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



13.7418, 9.6053, -32.5125



13.7415, 21.3671, -16.1591



13.7418, 27.2849, -0.9067

# Triad

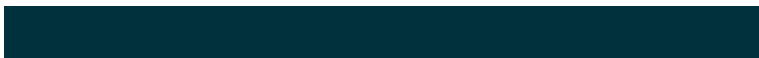
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



13.7418, 21.3665, -16.1585



13.7418, 0.9461, 9.6193



13.7418, -15.1955, -11.0347

# Complementary

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



13.7415, 21.3671, -16.1591



21.2805, -16.3210, 11.7661

# 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.



13.7418, -16.4024, 2.2195



13.7415, 21.3671, -16.1591



13.7418, -8.7037, 9.6193

# Square

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



13.7418, 21.3665, -16.1585



13.7418, 13.3683, 9.6193



13.7418, -14.2047, 8.7349



13.7418, -10.7557, -28.2533



# Rectangle

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



13.7415, 21.3671, -16.1591



13.7418, 26.0959, 5.1145



13.7418, -14.2047, 8.7349



13.7418, -15.9750, -5.7946

# Sweetspot

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



13.7418, 21.3665, -16.1585



27.0314, 7.7670, -5.3154



9.7591, 10.0615, -29.0131



13.4856, 4.2544, -2.9344



64.8100, -3.4581, 3.5212



16.4960, -0.8802, 0.8963



# Same Dimension

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



13.7418, 21.3665, -16.1585



16.6230, 32.4785, -25.1391



13.3763, 18.8651, -2.9996



12.3727, 0.5997, -0.2491



17.9141, 35.7552, -27.7785



44.0407, 88.0074, -69.1093



# Inverse Universe

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



12.7690, 16.3896, 5.6924



15.2405, 25.5449, 8.9280



21.4428, -15.1635, 8.1643



12.3130, 0.2420, 0.8801



16.4115, 28.1983, 9.8824

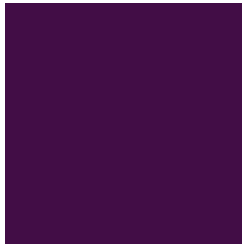


40.4474, 69.3594, 25.4235



# Previews

## White Background



This preview shows how the HunterLab color 13.7415, 21.3671, -16.1591 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

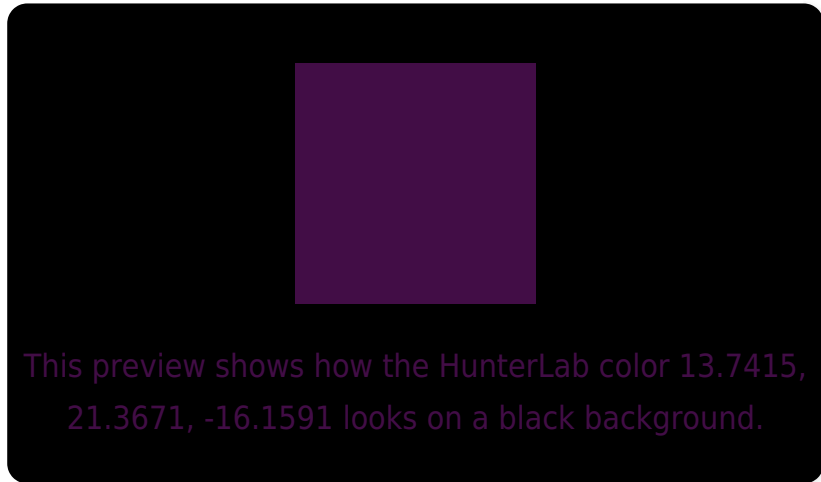
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

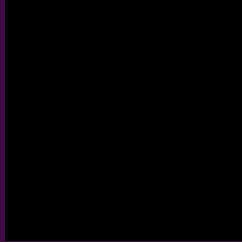
Any Text WCAG AA × Fail

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 13.7415, 21.3671, -16.1591 Background



This preview shows how black text looks on a background with the HunterLab color 13.7415, 21.3671, -16.1591.



This preview shows how white text looks on a background with the HunterLab color 13.7415, 21.3671, -16.1591.

-16.1591.

# 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

13.7415, 21.3671, -16.1591

### Protanopia

14.0723, 3.0042, -24.0743

### Deuteranopia

14.3887, 0.2686, -12.3675



## Tritanopia

14.0348, 8.6487, 3.3233

# Trichromacy



## Original Color

13.7415, 21.3671, -16.1591

## Protanomaly

12.6836, 8.1401, -24.8626

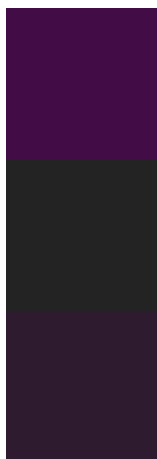
## Deuteranomaly

13.1420, 7.4309, -15.7289

## Tritanomaly

13.6346, 13.1884, -2.1633

# Monochromacy



## Original Color

13.7415, 21.3671, -16.1591

## Achromatopsia

12.9643, -0.6917, 0.7044

## Achromatomaly

12.5623, 7.1754, -5.3312

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 13.7415, 21.3671, -16.1591 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(66, 13, 70)` looks like.

```
.text, #text, p{  
    color:rgb(66, 13, 70)  
}
```

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(66, 13, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 13, 70) }
```

## Border

The CSS property to change the border of an element to HunterLab 13.7415, 21.3671, -16.1591 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(66, 13, 70) }
```



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

```
.border{ border-color:rgb(66, 13, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 13, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 13, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 13, 70);  
box-shadow:4px 4px 4px 4px rgb(66, 13, 70)  
}
```

# Background

The CSS property to change the background color of an element to HunterLab 13.7415, 21.3671, -16.1591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 13, 70) }
```

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

```
.background{ background-color: rgb(66, 13,  
70) }
```

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