

# Converting Colors

HunterLab(12.1318, 58.1342,  
-165.7132)

Have a look what the booklet for  
HunterLab(12.1318, 58.1342,  
-165.7132) contains.

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# Color

**HunterLab(16.4821, 44.7078,  
-117.1126)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0000A5
RGB	0, 0, 165
RGB Percent	0%, 0%, 65%
CMY	0.9999, 1.0000, 0.3529
CMYK	1.00, 1.00, 0.00, 0.35
HSL	240°, 100%, 32%
HSV	240°, 100%, 65%
XYZ	6.7915, 2.7166, 35.7636
YIQ	18.8100, -52.9650, 51.3150

# Conversions

## Conversions Part 2

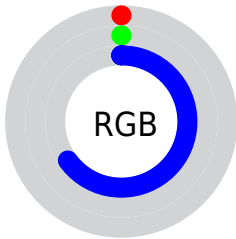
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 0, 165
Decimal	165
CIELab	18.87, 57.17, -77.87
CIELCh	19, 96.605, 306.288
Yxy	2.7168, 0.1500, 0.0600
Android (android.graphics.Color)	4278190245 (0xFF0000A5)
YUV	18.8100, 72.0717, -16.4964
Hunter-Lab	16.4821, 44.7078, -117.1126

# Details

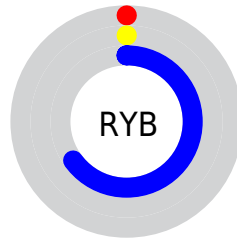
The HunterLab color **16.4821, 44.7078, -117.1126** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **59.0818, -15.8791, 36.1279**, and the grayscale version is **7.8236, -0.4174, 0.4251**.

A 20% lighter version of the original color is **32.6084, 48.9526, -104.7036**, and **10.7131, 29.0592, -76.1208** is the 20% darker color. If you saturate the color by 10%, you get **16.4827, 44.7082, -117.1080**, and if you desaturate by 10%, it is **17.9361, 40.3370, -105.9133**.

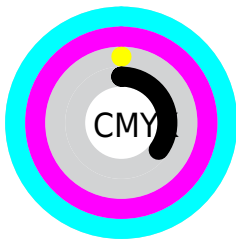
# Distribution



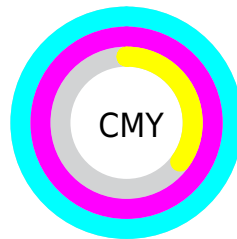
- Red (0%)
- Green (0%)
- Blue (65%)



- Red (0%)
- Yellow (0%)
- Blue (65%)



- Cyan (100%)
- Magenta (100%)
- Yellow (0%)
- Black (35%)



- Cyan (100%)
- Magenta (100%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 16.4821, 44.7078, -117.1126 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 16.4821, 44.7078, -117.1126 by changing the saturation by 10% instead.



■ 16.4821, 44.7078,  
-117.1126

■ 16.4821, 44.7078,  
-117.1126

■ 111.6891, 61.0623,  
-103.8631

■ 9.9284, 43.3477,  
-136.1545

■ 32.5341, 48.7481,  
-104.4878

0.0000, INF, -NF

0.0000, NaN, -NF

■ 41.8214, 50.7969,  
-102.4819

0.0000, NaN, -NF

■ 51.8552, 52.7624,  
-101.6477

0.0000, NaN, -NF

■ 62.5835, 54.6270,  
-101.5027

0.0000, NaN, NaN


0.0000, NaN, NaN


■ 73.9640, 56.3865,  
-101.7813


0.0000, NaN, NaN

■ 85.9612, 58.0427,


-102.3266


 98.5449, 59.5997,  
-103.0416


 16.4821, 44.7078,  
-117.1126


 16.4821, 44.7078,  
-117.1126


 16.4827, 44.7082,  
-117.1080

 17.9361, 40.3370,  
-105.9133

 20.3176, 34.4060,  
-90.7569

 23.7092, 27.7936,  
-73.9227

 27.8781, 21.5659,  
-58.1510

 32.6249, 16.0640,  
-44.3072

■ 37.8069, 11.2694,  
-32.3312

■ 43.3265, 7.0572,  
-21.8919

■ 49.1173, 3.2973,  
-12.6462

■ 55.1330, -0.1184,  
-4.3107

# Harmonies

## Analogous

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



16.4827, 5.4503, -174.8569



16.4821, 44.7078, -117.1126



16.4827, 83.2337, -35.9274

# Triad

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



16.4827, 44.7082, -117.1080



16.4827, 26.8896, 11.5379



16.4827, -28.8447, -5.7669

# Complementary

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



16.4821, 44.7078, -117.1126



59.0818, -15.8791, 36.1279

# 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.



16.4827, -28.8447, 11.5379



16.4821, 44.7078, -117.1126



16.4827, -6.3797, 11.5379

# Square

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



16.4827, 44.7082, -117.1080



16.4827, 68.9842, 11.5379



16.4827, -22.4550, 11.5379



16.4827, -27.9258, -67.4766



# Rectangle

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



16.4821, 44.7078, -117.1126



16.4827, 94.8108, -2.7811



16.4827, -22.4550, 11.5379



16.4827, -28.8447, 3.8846

# Sweetspot

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



16.4827, 44.7082, -117.1080



57.5658, 9.7370, -30.0196



54.4306, -28.8565, -5.7407



25.5203, 5.5720, -16.5574



90.9709, -4.8540, 4.9426



38.3822, -2.0480, 2.0854



# Same Dimension

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



16.4827, 44.7082, -117.1080



22.0579, 59.8309, -156.7223



21.2907, 49.2202, -85.1498



26.1916, -0.1698, -1.7540



14.3364, 38.8862, -101.8571



2.0785, 5.6371, -14.7615



# Inverse Universe

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



32.7336, 64.3531, -43.1556



43.8060, 86.1209, -57.7527



53.5972, -37.2501, 32.3742



26.8369, 2.0177, -0.8874



28.4710, 55.9729, -37.5359

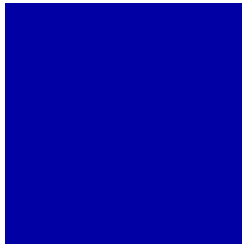


4.1271, 8.1139, -5.4420



# Previews

## White Background



This preview shows how the HunterLab color 16.4821, 44.7078, -117.1126 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

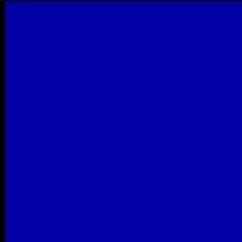
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the HunterLab color 16.4821, 44.7078, -117.1126 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

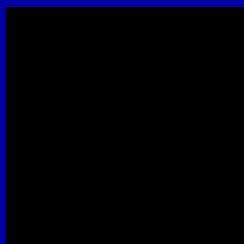
Any Text WCAG AA × Fail

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 16.4821, 44.7078, -117.1126 Background



This preview shows how black text looks on a background with the HunterLab color 16.4821, 44.7078, -117.1126.



This preview shows how white text looks on a background with the HunterLab color 16.4821, 44.7078, -117.1126.



# 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

16.4821, 44.7078, -117.1126

### Protanopia

17.4742, 4.2116, -30.9330

### Deuteranopia

17.4343, -1.1917, -19.2187



## Tritanopia

17.4295, -8.6886, -3.0291

# Trichromacy



## Original Color

16.4821, 44.7078, -117.1126

## Protanomaly

15.6052, 19.9101, -62.4853

## Deuteranomaly

15.0693, 16.4024, -54.2434

## Tritanomaly

14.3706, 9.1180, -37.6450

# Monochromacy



## Original Color

16.4821, 44.7078, -117.1126

## Achromatopsia

8.0698, -0.4306, 0.4384

## Achromatomaly

8.9944, 13.0916, -34.6428

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 16.4821, 44.7078, -117.1126 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(0, 0, 165)` looks like.

```
.text, #text, p{  
    color:rgb(0, 0, 165)  
}
```

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(0, 0, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 0, 165) }
```

## Border

The CSS property to change the border of an element to HunterLab 16.4821, 44.7078, -117.1126 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(0, 0, 165) }
```



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

```
.border{ border-color:rgb(0, 0, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 0, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 0, 165); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 0, 165); box-shadow:4px  
4px 4px 4px rgb(0, 0, 165) }
```

# Background

The CSS property to change the background color of an element to HunterLab 16.4821, 44.7078, -117.1126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 0, 165) }
```

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

```
.background{ background-color: rgb(0, 0,  
165) }
```

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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