

# Converting Colors

HunterLab(18.9343, 48.9697,  
-116.0123)

Have a look what the booklet for  
HunterLab(18.9343, 48.9697,  
-116.0123) contains.

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# Color

**HunterLab(18.9360, 48.9815,  
-116.0811)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2800B0
RGB	40, 0, 176
RGB Percent	16%, 0%, 69%
CMY	0.8431, 1.0000, 0.3098
CMYK	0.77, 1.00, 0.00, 0.31
HSL	254°, 100%, 35%
HSV	254°, 100%, 69%
XYZ	8.7116, 3.5857, 41.3073
YIQ	32.0240, -32.6560, 63.2160

# Conversions

## Conversions Part 2

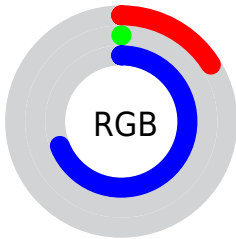
<b>Format</b>	<b>Color</b>
<b>RYB</b>	40, 0, 176
Decimal	2621616
CIELab	22.25, 60.56, -78.83
CIElCh	22, 99.407, 307.532
Yxy	3.5859, 0.1625, 0.0669
Android (android.graphics.Color)	4280811696 (0xFF2800B0)
YUV	32.0240, 70.9802, 6.9950
Hunter-Lab	18.9360, 48.9815, -116.0811

# Details

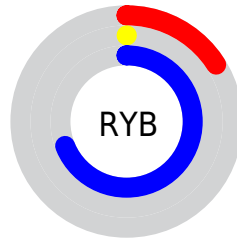
The HunterLab color **18.9360, 48.9815, -116.0811** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **60.2364, -29.3241, 36.6040**, and the grayscale version is **11.8190, -0.6306, 0.6421**.

A 20% lighter version of the original color is **35.4967, 53.1986, -105.9600**, and **11.8539, 32.1536, -84.2267** is the 20% darker color. If you saturate the color by 10%, you get **18.9366, 48.9821, -116.0774**, and if you desaturate by 10%, it is **20.8035, 45.5083, -103.4464**.

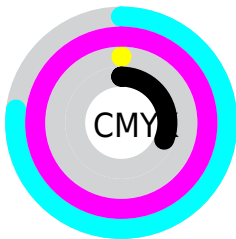
# Distribution



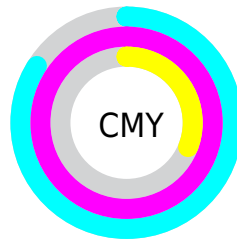
- Red (16%)
- Green (0%)
- Blue (69%)



- Red (16%)
- Yellow (0%)
- Blue (69%)



- Cyan (77%)
- Magenta (100%)
- Yellow (0%)
- Black (31%)



- Cyan (84%)
- Magenta (100%)
- Yellow (31%)
- Black (31%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 18.9360, 48.9815, -116.0811 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 18.9360, 48.9815, -116.0811 by changing the saturation by 10% instead.



■ 18.9360, 48.9815,  
-116.0811

■ 18.9360, 48.9815,  
-116.0811

■ 116.2549, 65.9702,  
-105.9541

■ 12.0198, 47.4176,  
-130.8756

■ 35.5864, 53.1671,  
-105.7261

■ 4.9936, 64.6246,  
-213.3646

■ 45.1326, 55.2769,  
-104.0826

0.0000, INF, -NF

0.0000, NaN, -NF

■ 55.4064, 57.3068,  
-103.4502

0.0000, NaN, -NF

■ 66.3595, 59.2394,  
-103.4242

0.0000, NaN, -NF

■ 77.9521, 61.0700,  
-103.7758

0.0000, NaN, NaN


0.0000, NaN, NaN


■ 90.1508, 62.7995,


-104.3675


0.0000, NaN, NaN


 102.9267, 64.4315,  
-105.1126


 18.9360, 48.9815,  
-116.0811


 18.9360, 48.9815,  
-116.0811


 18.9366, 48.9821,  
-116.0774

 20.8035, 45.5083,  
-103.4464

 23.5566, 40.4044,  
-88.1581

 27.2093, 34.2386,  
-72.1371

 31.5696, 27.9244,  
-57.1991

 36.4727, 21.8742,  
-43.9135

■ 41.7962, 16.1984,  
-32.2280

■ 47.4532, 10.8795,  
-21.8893

■ 53.3821, 5.8604,  
-12.6239

■ 59.5388, 1.0799,  
-4.1965

# Harmonies

## Analogous

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



18.9366, 7.2228, -176.4411



18.9360, 48.9815, -116.0811



18.9366, 88.1594, -34.6006

# Triad

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



18.9366, 48.9821, -116.0774



18.9366, 26.7064, 13.2556



18.9366, -33.1390, -7.7402

# Complementary

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



18.9360, 48.9815, -116.0811



60.2364, -29.3241, 36.6040

# 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.



18.9366, -32.2059, 13.1734



18.9360, 48.9815, -116.0811



18.9366, -8.0419, 13.2556

# Square

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



18.9366, 48.9821, -116.0774



18.9366, 70.6134, 13.2556



18.9366, -25.0013, 13.2556



18.9366, -29.2077, -73.0289



# Rectangle

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



18.9360, 48.9815, -116.0811



18.9366, 99.0336, -1.5079



18.9366, -25.0013, 13.2556



18.9366, -33.1390, 3.2603

# Sweetspot

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



18.9366, 48.9821, -116.0774



63.4965, 15.0171, -30.1711



46.1231, -15.2882, -24.6470



28.0829, 8.3408, -16.6341



94.3401, -5.0338, 5.1257



41.3092, -2.2042, 2.2444



# Same Dimension

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



18.9366, 48.9821, -116.0774



25.3373, 65.8279, -157.5562



27.5325, 58.5350, -70.4619



28.8449, 0.3690, -1.7595



16.2893, 42.0147, -98.9197



3.3132, 7.8580, -14.7897



# Inverse Universe

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



33.1775, 62.1742, -20.0861



44.6405, 83.5882, -26.5018



56.3255, -45.2204, 33.9158



29.3479, 1.9560, -0.1937



28.4350, 53.3139, -17.4248

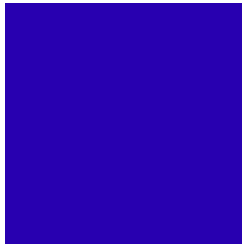


5.1239, 9.7400, -4.1709



# Previews

## White Background



This preview shows how the HunterLab color 18.9360, 48.9815, -116.0811 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

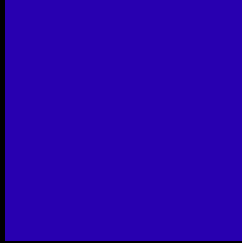
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the HunterLab color 18.9360, 48.9815, -116.0811 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

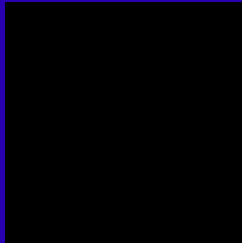
Any Text WCAG AA × Fail

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 18.9360, 48.9815, -116.0811 Background



This preview shows how black text looks on a background with the HunterLab color 18.9360, 48.9815, -116.0811.



This preview shows how white text looks on a background with the HunterLab color 18.9360, 48.9815, -116.0811.



# 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

18.9360, 48.9815, -116.0811

### Protanopia

19.5719, 4.9644, -35.1798

### Deuteranopia

19.6739, -1.5457, -21.2539



## Tritanopia

19.5625, -9.8099, -3.2746

# Trichromacy



## Original Color

18.9360, 48.9815, -116.0811

## Protanomaly

17.3873, 23.0890, -68.3084

## Deuteranomaly

17.0451, 17.9268, -56.6714

## Tritanomaly

16.0391, 10.5754, -39.3352

# Monochromacy



## Original Color

18.9360, 48.9815, -116.0811

## Achromatopsia

12.0183, -0.6413, 0.6530

## Achromatomaly

12.2382, 15.6818, -32.8191

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 18.9360, 48.9815, -116.0811 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(40, 0, 176)` looks like.

```
.text, #text, p{  
    color:rgb(40, 0, 176)  
}
```

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(40, 0, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 0, 176) }
```

## Border

The CSS property to change the border of an element to HunterLab 18.9360, 48.9815, -116.0811 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(40, 0, 176) }
```



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

```
.border{ border-color:rgb(40, 0, 176) }
```

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

Here you see how a box with a 4 pixel rgb(40, 0, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 0, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 0, 176);  
box-shadow:4px 4px 4px 4px rgb(40, 0, 176)  
}
```

# Background

The CSS property to change the background color of an element to HunterLab 18.9360, 48.9815, -116.0811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 0, 176) }
```

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

```
.background{ background-color: rgb(40, 0,  
176) }
```

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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