

# Converting Colors

HunterLab(19.9419, 51.2949,  
-120.0098)

Have a look what the booklet for  
HunterLab(19.9419, 51.2949,  
-120.0098) contains.

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# Color

**HunterLab(19.9419, 51.2949,  
-120.0098)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2D00B7
RGB	45, 0, 183
RGB Percent	18%, 0%, 72%
CMY	0.8235, 1.0000, 0.2824
CMYK	0.75, 1.00, 0.00, 0.28
HSL	255°, 100%, 36%
HSV	255°, 100%, 72%
XYZ	9.6294, 3.9768, 45.0599
YIQ	34.3170, -31.9230, 66.4530

# Conversions

## Conversions Part 2

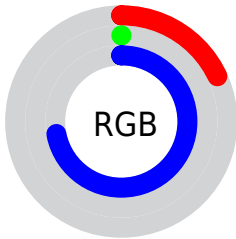
<b>Format</b>	<b>Color</b>
<b>RYB</b>	45, 0, 183
Decimal	2949303
CIELab	23.60, 62.42, -80.77
CIELCh	24, 102.084, 307.698
Yxy	3.9770, 0.1641, 0.0678
Android (android.graphics.Color)	4281139383 (0xFF2D00B7)
YUV	34.3170, 73.3007, 9.3690
Hunter-Lab	19.9419, 51.2949, -120.0098

# Details

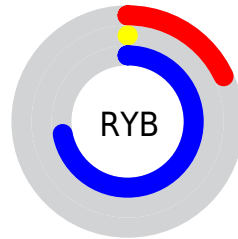
The HunterLab color **19.9419, 51.2949, -120.0098** is a dark color, and the websafe version is hex **3300CC**. A complement of this color would be **62.6654, -31.5792, 38.0613**, and the grayscale version is **12.5318, -0.6687, 0.6809**.

A 20% lighter version of the original color is **36.8229, 55.3331, -109.0778**, and **12.4840, 33.8630, -88.7044** is the 20% darker color. If you saturate the color by 10%, you get **19.9425, 51.2955, -120.0059**, and if you desaturate by 10%, it is **21.8753, 47.8932, -107.1059**.

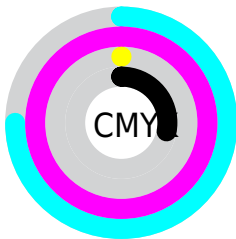
# Distribution



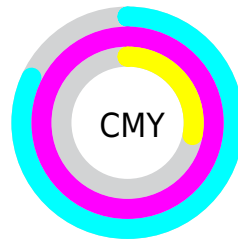
- Red (18%)
- Green (0%)
- Blue (72%)



- Red (18%)
- Yellow (0%)
- Blue (72%)



- Cyan (75%)
- Magenta (100%)
- Yellow (0%)
- Black (28%)



- Cyan (82%)
- Magenta (100%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 19.9419, 51.2949, -120.0098 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 19.9419, 51.2949, -120.0098 by changing the saturation by 10% instead.



■ 19.9419, 51.2949,  
-120.0098

■ 19.9419, 51.2949,  
-120.0098

■ 118.0857, 68.6443,  
-109.7340

■ 12.8869, 49.6775,  
-134.3464

■ 36.8241, 55.5454,  
-109.6797

■ 6.3090, 57.1400,  
-187.8832

■ 46.4712, 57.6912,  
-107.9895

0.0000, INF, -NF

0.0000, NaN, -NF

■ 56.8388, 59.7604,  
-107.3147

0.0000, NaN, -NF

■ 67.8799, 61.7347,  
-107.2552

0.0000, NaN, -NF

■ 79.5558, 63.6087,  
-107.5827


0.0000, NaN, -NF


0.0000, NaN, NaN


■ 91.8335, 65.3827,


-108.1587


0.0000, NaN, NaN


 104.6850, 67.0599,  
-108.8951

 19.9419, 51.2949,  
-120.0098


 19.9419, 51.2949,  
-120.0098


 19.9425, 51.2955,  
-120.0059

 21.8753, 47.8932,  
-107.1059

 24.7356, 42.6917,  
-91.3938

 28.5300, 36.3135,  
-74.8857

 33.0627, 29.7166,  
-59.4445

 38.1637, 23.3502,  
-45.6749

■ 43.7055, 17.3460,  
-33.5398

■ 49.5976, 11.6969,  
-22.7883

■ 55.7752, 6.3499,  
-13.1435

■ 62.1920, 1.2449,  
-4.3652

# Harmonies

## Analogous

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



19.9425, 7.7364, -182.8556



19.9419, 51.2949, -120.0098



19.9425, 91.9251, -35.6213

# Triad

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



19.9425, 51.2955, -120.0059



19.9425, 27.6000, 13.9598



19.9425, -34.7814, -8.3039

# Complementary

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



19.9419, 51.2949, -120.0098



62.6654, -31.5792, 38.0613

# 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.



19.9425, -33.3139, 13.5561



19.9419, 51.2949, -120.0098



19.9425, -8.5635, 13.9598

# Square

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



19.9425, 51.2955, -120.0059



19.9425, 73.2956, 13.9598



19.9425, -26.2673, 13.9598



19.9425, -30.3260, -76.3683



# Rectangle

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



19.9419, 51.2949, -120.0098



19.9425, 103.0776, -1.3764



19.9425, -26.2673, 13.9598



19.9425, -34.8994, 3.2688

# Sweetspot

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



19.9425, 51.2955, -120.0059



65.9747, 16.0182, -31.1723



47.1836, -14.5919, -27.4758



29.4284, 9.0001, -17.4128



96.5975, -5.1542, 5.2483



43.2801, -2.3093, 2.3515



# Same Dimension

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



19.9425, 51.2955, -120.0059



26.5191, 68.5038, -161.8466



29.1611, 61.6632, -72.0381



29.7041, 0.4340, -1.8077



16.7394, 42.9146, -99.6304



3.5861, 8.4858, -15.8573



# Inverse Universe

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



34.4993, 64.3990, -18.9308



46.1279, 86.0353, -24.7652



58.7496, -47.5430, 35.3689



30.2059, 2.0028, -0.1387



28.8346, 53.8580, -16.0796

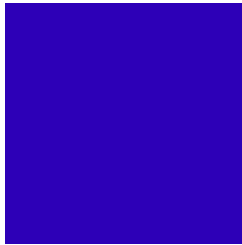


5.4981, 10.4105, -4.1600



# Previews

## White Background



This preview shows how the HunterLab color 19.9419, 51.2949, -120.0098 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

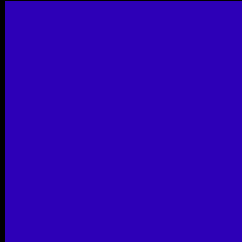
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the HunterLab color 19.9419, 51.2949, -120.0098 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

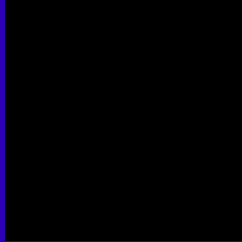
Any Text WCAG AA × Fail

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 19.9419, 51.2949, -120.0098 Background



This preview shows how black text looks on a background with the HunterLab color 19.9419, 51.2949, -120.0098.



This preview shows how white text looks on a background with the HunterLab color 19.9419, 51.2949, -120.0098.

-120.0098.

# 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

19.9419, 51.2949, -120.0098

### Protanopia

20.6353, 5.3478, -37.3368

### Deuteranopia

20.6811, -1.5148, -22.5796



**Tritanopia**

20.5189, -10.1193, -3.8022

# Trichromacy



## Original Color

19.9419, 51.2949, -120.0098

## Protanomaly

18.2343, 24.1533, -71.5525

## Deuteranomaly

17.8882, 18.9473, -59.8163

## Tritanomaly

16.7983, 11.2063, -41.5198

# Monochromacy



## Original Color

19.9419, 51.2949, -120.0098

## Achromatopsia

12.6476, -0.6748, 0.6872

## Achromatomaly

13.0018, 16.3424, -33.8038

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 19.9419, 51.2949, -120.0098 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(45, 0, 183)` looks like.

```
.text, #text, p{  
    color:rgb(45, 0, 183)  
}
```

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(45, 0, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 0, 183) }
```

## Border

The CSS property to change the border of an element to HunterLab 19.9419, 51.2949, -120.0098 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(45, 0, 183) }
```



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

```
.border{ border-color:rgb(45, 0, 183) }
```

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

Here you see how a box with a 4 pixel rgb(45, 0, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 0, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 0, 183);  
box-shadow:4px 4px 4px 4px rgb(45, 0, 183)  
}
```

# Background

The CSS property to change the background color of an element to HunterLab 19.9419, 51.2949, -120.0098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 0, 183) }
```

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

```
.background{ background-color: rgb(45, 0,  
183) }
```

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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