

# Converting Colors

HunterLab(19.8773, 46.0391,  
-80.1673)

Have a look what the booklet for  
HunterLab(19.8773, 46.0391,  
-80.1673) contains.

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# Color

**HunterLab(19.9451, 46.1908,  
-80.3987)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4D009C
RGB	77, 0, 156
RGB Percent	30%, 0%, 61%
CMY	0.6980, 1.0000, 0.3882
CMYK	0.51, 1.00, 0.00, 0.39
HSL	270°, 100%, 31%
HSV	270°, 100%, 61%
XYZ	9.0613, 3.9781, 31.7427
YIQ	40.8070, -4.1840, 64.8400

# Conversions

## Conversions Part 2

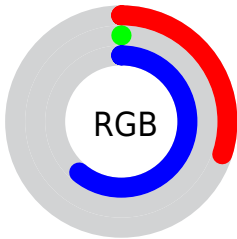
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	77, 0, 156
Decimal	5046428
CIE <sub>Lab</sub>	23.60, 57.73, -64.34
CIE <sub>LCh</sub>	24, 86.442, 311.900
Yxy	3.9782, 0.2023, 0.0888
Android (android.graphics.Color)	4283236508 (0xFF4D009C)
YUV	40.8070, 56.7901, 31.7413
Hunter-Lab	19.9451, 46.1908, -80.3987

# Details

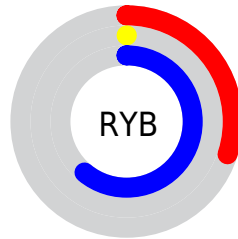
The HunterLab color **19.9451, 46.1908, -80.3987** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **50.4372, -34.7806, 30.4703**, and the grayscale version is **14.6513, -0.7818, 0.7960**.

A 20% lighter version of the original color is **36.8390, 50.4100, -76.6648**, and **9.9608, 26.8892, -69.7714** is the 20% darker color. If you saturate the color by 10%, you get **19.9455, 46.1912, -80.3969**, and if you desaturate by 10%, it is **21.6470, 43.8988, -72.0397**.

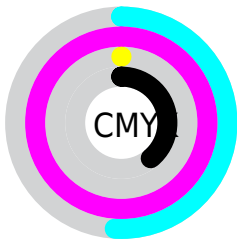
# Distribution



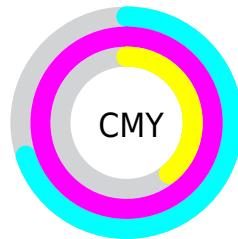
- Red (30%)
- Green (0%)
- Blue (61%)



- Red (30%)
- Yellow (0%)
- Blue (61%)



- Cyan (51%)
- Magenta (100%)
- Yellow (0%)
- Black (39%)



- Cyan (70%)
- Magenta (100%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 19.9451, 46.1908, -80.3987 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 19.9451, 46.1908, -80.3987 by changing the saturation by 10% instead.



19.9451, 46.1908,  
-80.3987

19.9451, 46.1908,  
-80.3987

118.0911, 62.4472,  
-80.2090

12.8895, 44.4537,  
-87.1235

36.8278, 50.3299,  
-76.4524

6.3125, 50.7900,  
-116.3864

46.4752, 52.3579,  
-76.2305

0.0000, INF, -NF

0.0000, NaN, -NF

56.8430, 54.2934,  
-76.4934

0.0000, NaN, -NF

67.8845, 56.1257,  
-77.0333

0.0000, NaN, -NF

79.5606, 57.8537,  
-77.7328

0.0000, NaN, NaN

0.0000, NaN, NaN

91.8385, 59.4802,

-78.5218

0.0000, NaN, NaN

104.6903, 61.0097,  
-79.3566

19.9451, 46.1908,  
-80.3987

19.9451, 46.1908,  
-80.3987

19.9455, 46.1912,  
-80.3969

21.6470, 43.8988,  
-72.0397

23.8907, 40.3055,  
-62.6296

26.7712, 35.4482,  
-52.5411

30.1915, 29.9547,  
-42.6382

34.0538, 24.2446,  
-33.3529

■ 38.2751, 18.5413,  
-24.8120

■ 42.7904, 12.9421,  
-16.9866

■ 47.5499, 7.4765,  
-9.7874

■ 52.5156, 2.1421,  
-3.1125

# Harmonies

## Analogous

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



19.9455, 10.6817, -130.5426



19.9451, 46.1908, -80.3987



19.9455, 75.1017, -20.8691

# Triad

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



19.9455, 46.1912, -80.3969



19.9455, 17.5524, 13.9619



19.9455, -31.1608, -11.8611

# Complementary

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



19.9451, 46.1908, -80.3987



50.4372, -34.7806, 30.4703

# 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.



19.9455, -30.6321, 11.0871



19.9451, 46.1908, -80.3987



19.9455, -10.5981, 13.9619

# Square

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



19.9455, 46.1912, -80.3969



19.9455, 53.4388, 13.9619



19.9455, -25.0968, 13.9619



19.9455, -26.7201, -66.9765



# Rectangle

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



19.9451, 46.1908, -80.3987



19.9455, 80.7156, 2.6400



19.9455, -25.0968, 13.9619



19.9455, -31.5562, -0.6047

# Sweetspot

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



19.9455, 46.1912, -80.3969



57.2973, 17.8852, -23.4940



28.6808, 5.2836, -47.2543



25.7481, 9.7625, -12.9090



88.7363, -4.7347, 4.8212



36.4511, -1.9449, 1.9805



# Same Dimension

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



19.9455, 46.1912, -80.3969



26.6625, 62.0110, -109.5193



30.3506, 59.8847, -41.6923



25.6670, 0.8494, -1.2785



18.1588, 41.9851, -72.6649



2.8998, 6.1850, -7.5763



# Inverse Universe

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



27.6268, 49.3548, 2.0139



37.1789, 66.3204, 3.4797



48.7789, -41.7395, 29.3266



25.8832, 1.3664, 0.6639



25.0874, 44.8441, 1.6279

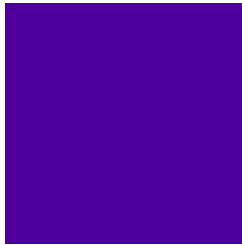


3.4796, 6.4468, -1.5340



# Previews

## White Background



This preview shows how the HunterLab color 19.9451, 46.1908, -80.3987 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 19.9451, 46.1908, -80.3987 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

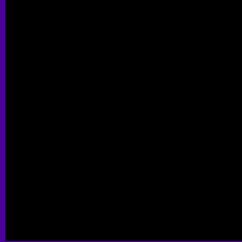
Any Text WCAG AA × Fail

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 19.9451, 46.1908, -80.3987 Background



This preview shows how black text looks on a background with the HunterLab color 19.9451, 46.1908, -80.3987.



This preview shows how white text looks on a background with the HunterLab color 19.9451, 46.1908, -80.3987.



# 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

19.9451, 46.1908, -80.3987

### Protanopia

20.6938, 5.6494, -38.0608

### Deuteranopia

20.7768, -0.9897, -23.8328



## Tritanopia

21.0586, -2.8000, -1.5845

# Trichromacy



## Original Color

19.9451, 46.1908, -80.3987

## Protanomaly

17.8944, 21.9864, -62.1125

## Deuteranomaly

17.6155, 16.9735, -50.8203

## Tritanomaly

18.2004, 15.6285, -26.9656

# Monochromacy



## Original Color

19.9451, 46.1908, -80.3987

## Achromatopsia

14.8909, -0.7945, 0.8091

## Achromatomaly

14.6547, 16.4017, -23.7921

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 19.9451, 46.1908, -80.3987 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(77, 0, 156)` looks like.

```
.text, #text, p{  
    color:rgb(77, 0, 156)  
}
```

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(77, 0, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 0, 156) }
```

## Border

The CSS property to change the border of an element to HunterLab 19.9451, 46.1908, -80.3987 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(77, 0, 156) }
```



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

```
.border{ border-color:rgb(77, 0, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 0, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 0, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 0, 156);  
box-shadow:4px 4px 4px 4px rgb(77, 0, 156)  
}
```

# Background

The CSS property to change the background color of an element to HunterLab 19.9451, 46.1908, -80.3987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 0, 156) }
```

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

```
.background{ background-color: rgb(77, 0,  
156) }
```

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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