

# Converting Colors

HunterLab(18.9505, 35.9536,  
-111.5502)

Have a look what the booklet for  
HunterLab(18.9505, 35.9536,  
-111.5502) contains.

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# Color

**HunterLab(19.8637, 37.1921,  
-105.1150)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	001EAD
RGB	0, 30, 173
RGB Percent	0%, 12%, 68%
CMY	0.9999, 0.8824, 0.3216
CMYK	1.00, 0.83, 0.00, 0.32
HSL	230°, 100%, 34%
HSV	230°, 100%, 68%
XYZ	8.0071, 3.9457, 39.8747
YIQ	37.3320, -63.7830, 38.1130

# Conversions

## Conversions Part 2

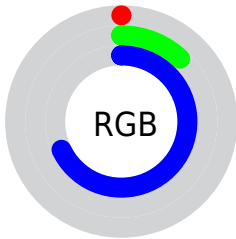
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 26, 173
Decimal	7853
CIELab	23.49, 48.97, -75.00
CIELCh	23, 89.573, 303.141
Yxy	3.9457, 0.1545, 0.0761
Android (android.graphics.Color)	4278197933 (0xFF001EAD)
YUV	37.3320, 66.8843, -32.7402
Hunter-Lab	19.8637, 37.1921, -105.1150

# Details

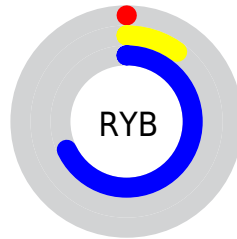
The HunterLab color **19.8637, 37.1921, -105.1150** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **53.4229, -3.0699, 32.8642**, and the grayscale version is **13.5175, -0.7213, 0.7344**.

A 20% lighter version of the original color is **36.6795, 41.2001, -97.6882**, and **11.5408, 31.3045, -82.0025** is the 20% darker color. If you saturate the color by 10%, you get **19.8599, 37.2060, -105.1402**, and if you desaturate by 10%, it is **22.2780, 30.6558, -90.9535**.

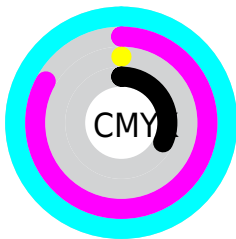
# Distribution



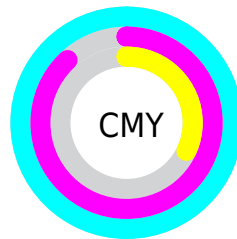
- Red (0%)
- Green (12%)
- Blue (68%)



- Red (0%)
- Yellow (10%)
- Blue (68%)



- Cyan (100%)
- Magenta (83%)
- Yellow (0%)
- Black (32%)



- Cyan (100%)
- Magenta (88%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 19.8637, 37.1921, -105.1150 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 19.8637, 37.1921, -105.1150 by changing the saturation by 10% instead.



■ 19.8637, 37.1921,  
-105.1150

■ 19.8637, 37.1921,  
-105.1150

■ 117.9431, 51.1251,  
-98.9808

■ 12.8188, 35.3765,  
-116.4995

■ 36.7274, 40.9889,  
-97.3150

■ 6.2168, 40.4652,  
-161.9377

■ 46.3667, 42.7581,  
-96.2221

0.0000, INF, -NF

0.0000, NaN, -NF

■ 56.7271, 44.4147,  
-95.9381

0.0000, NaN, -NF

■ 67.7614, 45.9591,  
-96.1371

0.0000, NaN, -NF

■ 79.4308, 47.3960,  
-96.6339

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 91.7025, 48.7318,

-97.3166

0.0000, NaN, NaN

104.5481, 49.9728,  
-98.1143

19.8637, 37.1921,  
-105.1150

19.8637, 37.1921,  
-105.1150

19.8599, 37.2060,  
-105.1402

22.2780, 30.6558,  
-90.9535

25.4071, 24.1573,  
-76.1806

29.1514, 18.3723,  
-62.1249

33.3781, 13.4557,  
-49.4240

37.9840, 9.3436,  
-38.1422

■ 42.8930, 5.9047,  
-28.1148

■ 48.0501, 3.0066,  
-19.1225

■ 53.4148, 0.5372,  
-10.9605

■ 58.9572, -1.5928,  
-3.4571

# Harmonies

## Analogous

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



19.8637, 1.9393, -144.8966



19.8637, 37.1921, -105.1150



19.8637, 72.1699, -38.0662

# Triad

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



19.8637, 37.1948, -105.1151



19.8637, 29.1426, 13.9046



19.8637, -32.1695, -1.8968

# Complementary

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



19.8637, 37.1921, -105.1150



53.4229, -3.0699, 32.8642

# 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.



19.8637, -30.0793, 13.8977



19.8637, 37.1921, -105.1150



19.8637, -3.8930, 13.9046

# Square

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



19.8637, 37.1948, -105.1151



19.8637, 65.9976, 13.9046



19.8637, -22.5815, 13.9046



19.8637, -29.0026, -51.2576



# Rectangle

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



19.8637, 37.1921, -105.1150



19.8637, 84.1629, -5.9619



19.8637, -22.5815, 13.9046



19.8637, -32.0584, 6.2253

# Sweetspot

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



19.8637, 37.1948, -105.1151



63.9217, 4.2181, -26.2132



56.4084, -36.1438, 7.5205



28.4756, 2.6726, -14.4459



93.2148, -4.9737, 5.0645



40.3295, -2.1519, 2.1912



# Same Dimension

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



19.8637, 37.1948, -105.1151



26.1655, 51.2887, -143.4222



19.5565, 48.9094, -106.9535



28.2369, -0.8215, -1.4133



17.1992, 31.2598, -88.9784



3.8467, 2.4242, -10.0410



# Inverse Universe

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



29.9644, 51.6218, 16.9378



40.0711, 68.9865, 23.0755



58.0988, -32.7114, 35.2266



28.3499, 1.1346, 1.8056



25.6937, 44.2926, 14.3441

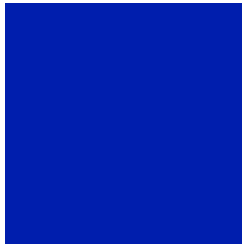


4.3621, 7.6700, 1.2704



# Previews

## White Background



This preview shows how the HunterLab color 19.8637, 37.1921, -105.1150 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

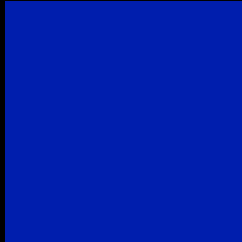
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the HunterLab color 19.8637, 37.1921, -105.1150 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

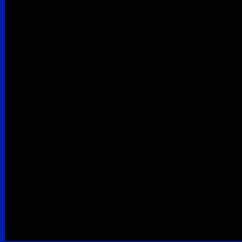
Any Text WCAG AA × Fail

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 19.8637, 37.1921, -105.1150 Background



This preview shows how black text looks on a background with the HunterLab color 19.8637, 37.1921, -105.1150.



This preview shows how white text looks on a background with the HunterLab color 19.8637, 37.1921, -105.1150.



# 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

19.8637, 37.1921, -105.1150

### Protanopia

19.9833, 5.3911, -36.6153

### Deuteranopia

20.0244, -1.4492, -21.9003



## Tritanopia

19.8705, -9.9719, -3.3099

# Trichromacy



## Original Color

19.8637, 37.1921, -105.1150

## Protanomaly

19.3911, 16.6242, -60.1241

## Deuteranomaly

18.9594, 11.6230, -48.7882

## Tritanomaly

18.4054, 4.0003, -31.6406

# Monochromacy



## Original Color

19.8637, 37.1921, -105.1150

## Achromatopsia

13.6016, -0.7257, 0.7390

## Achromatomaly

14.1779, 8.2806, -27.9362

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 19.8637, 37.1921, -105.1150 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, 30, 173)` looks like.

```
.text, #text, p{  
    color:rgb(0, 30, 173)  
}
```

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, 30, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 30, 173) }
```

## Border

The CSS property to change the border of an element to HunterLab 19.8637, 37.1921, -105.1150 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, 30, 173) }
```



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

```
.border{ border-color:rgb(0, 30, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 30, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 30, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 30, 173);  
box-shadow:4px 4px 4px 4px rgb(0, 30, 173)  
}
```

# Background

The CSS property to change the background color of an element to HunterLab 19.8637, 37.1921, -105.1150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 30, 173) }
```

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

```
.background{ background-color: rgb(0, 30,  
173) }
```

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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