

# Converting Colors

HunterLab(51.8817, 99.7526,  
-50.9981)

Have a look what the booklet for  
HunterLab(51.8817, 99.7526,  
-50.9981) contains.

<b>HunterLab(51.8817, 99.7526, -50.9981)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**HunterLab(51.8817, 99.7526,  
-50.9981)**

# Conversions

Conversions Part 1	
Format	Color
Hex	FF00E5
RGB	255, 0, 229
RGB Percent	100%, 0%, 90%
CMY	0.0000, 0.9998, 0.1020
CMYK	0.00, 1.00, 0.10, 0.00
HSL	306°, 100%, 50%
HSV	306°, 100%, 100%
XYZ	55.3828, 26.9171, 76.4052
YIQ	102.3510, 78.4710, 125.2790

# Conversions

## Conversions Part 2

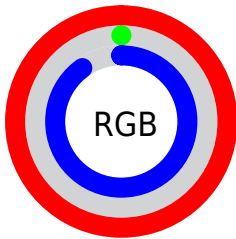
Format	Color
<a href="#">RYB</a>	<a href="#">255, 0, 229</a>
Decimal	<a href="#">16711909</a>
CIELab	<a href="#">58.90, 94.78, -48.59</a>
CIELCh	<a href="#">59, 106.513, 332.858</a>
Yxy	<a href="#">26.9183, 0.3490, 0.1696</a>
Android (android.graphics.Color)	<a href="#">4294901989</a> (0xFFFF00E5)
YUV	<a href="#">102.3510, 62.4380, 133.8732</a>
Hunter-Lab	<a href="#">51.8817, 99.7526, -50.9981</a>

# Details

The HunterLab color **51.8817, 99.7526, -50.9981** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **84.6139, -72.2398, 50.1871**, and the grayscale version is **36.3456, -1.9393, 1.9747**.

A 20% lighter version of the original color is **61.9521, 76.6768, -51.0255**, and **37.8874, 72.8466, -37.2471** is the 20% darker color. If you saturate the color by 10%, you get **51.8815, 99.7517, -50.9946**, and if you desaturate by 10%, it is **52.7092, 97.7703, -51.3508**.

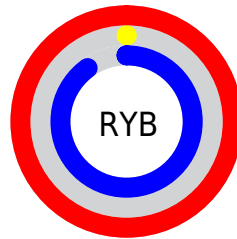
# Distribution



Red (100%)

Green (0%)

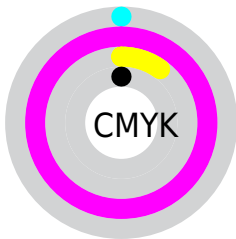
Blue (90%)



Red (100%)

Yellow (0%)

Blue (90%)

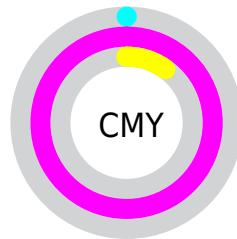


Cyan (0%)

Magenta (100%)

Yellow (10%)

Black (0%)



Cyan (0%)

Magenta (100%)


Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the HunterLab color 51.8817, 99.7526, -50.9981 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 51.8817, 99.7526, -50.9981 by changing the saturation by 10% instead.





 51.8817, 99.7526,  
-50.9981


 51.8817, 99.7526,  
-50.9981


169.4878,  
122.0081, -57.0092


 41.8472, 97.1490,  
-50.4126


 73.9951, 105.1013,  
-52.4211


 32.5578, 94.7745,  
-50.0584


 85.9939, 107.7374,  
-53.1620


 24.0803, 92.9402,  
-50.1823

 98.5792, 110.3114,  
-53.8887

 16.5016, 92.3911,  
-51.3625

 111.7247,  
112.8119, -54.5886

 9.9443, 95.2715,  
-55.2428

 125.4077,  
115.2330, -55.2541


0.0000, INF, -NF


0.0000, NaN, NaN


139.6077,


117.5728, -55.8808


154.3065,  
119.8308, -56.4663


 51.8817, 99.7526,  
-50.9981


 51.8817, 99.7526,  
-50.9981

 51.8815, 99.7517,  
-50.9946

 52.7092, 97.7703,  
-51.3508

 54.3913, 92.8813,  
-49.8762

 57.1034, 84.8719,  
-46.3586

 60.8511, 74.3127,  
-41.0733

 65.5686, 62.0115,  
-34.4738

71.1530, 48.7328,  
-27.0219

77.4909, 35.0574,  
-19.0904

84.4747, 21.3610,  
-10.9388

92.0097, 7.8550,  
-2.7287

# Harmonies

## Analogous

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



51.8828, 53.4654, -126.1725



51.8817, 99.7526, -50.9981



51.8828, 116.0672, 6.7890

# Triad

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



51.8828, 99.7488, -50.9960



51.8828, -7.0442, 36.3180



51.8828, -57.5477, -65.2675

# Complementary

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



51.8817, 99.7526, -50.9981



84.6139, -72.2398, 50.1871

# 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.



51.8828, -64.2632, -1.4806



51.8817, 99.7526, -50.9981



51.8828, -42.0845, 35.3531

# Square

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



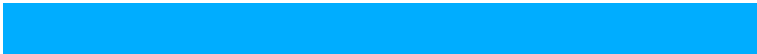
51.8828, 99.7488, -50.9960



51.8828, 43.2569, 35.7774



51.8828, -59.7663, 28.1908



51.8828, -36.8348, -138.3053



# Rectangle

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



51.8817, 99.7526, -50.9981



51.8828, 104.3918, 25.8050



51.8828, -59.7663, 28.1908



51.8828, -61.1196, -40.7867

# Sweetspot

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



51.8828, 99.7488, -50.9960



77.4776, 35.0847, -19.1064



27.2668, 73.1631, -187.6363



34.5695, 18.9085, -10.4047

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

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



51.8828, 99.7488, -50.9960



51.8815, 99.7517, -50.9946



47.1392, 82.7575, 14.6752



42.7394, 3.3400, -1.0819



37.5202, 72.1668, -37.0907



11.7453, 22.6504, -12.0709



# Inverse Universe

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



51.8828, 99.7488, -50.9960



51.8815, 99.7517, -50.9946



85.9191, -64.1156, 31.0179



42.7394, 3.3400, -1.0819



37.5202, 72.1668, -37.0907



11.7453, 22.6504, -12.0709



# Previews

## White Background



This preview shows how the HunterLab color 51.8817, 99.7526, -50.9981 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

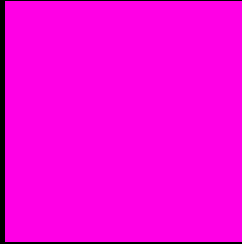
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the HunterLab color 51.8817, 99.7526, -50.9981 looks on a black 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

## HunterLab 51.8817, 99.7526, -50.9981 Background



This preview shows how black text looks on a background with the HunterLab color 51.8817, 99.7526, -50.9981.



This preview shows how white text looks on a background with the HunterLab color 51.8817, 99.7526, -50.9981.



# 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

51.8817, 99.7526, -50.9981

### Protanopia

52.5963, 13.5721, -74.0009

### Deuteranopia





52.4438, 4.3607, -40.2907






## Tritanopia

51.9943, 54.5219, 20.3740

# Trichromacy

	<b>Original Color</b> 51.8817, 99.7526, -50.9981
	<b>Protanomaly</b> 44.5380, 50.9375, -87.7319
	<b>Deuteranomaly</b> 44.9010, 46.5482, -60.9258
	<b>Tritanomaly</b> 49.7132, 74.0578, 0.4611

# Monochromacy

	<b>Original Color</b> 51.8817, 99.7526, -50.9981
	<b>Achromatopsia</b> 36.4511, -1.9449, 1.9805
	<b>Achromatomaly</b> 36.3150, 41.3227, -22.6415

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 51.8817, 99.7526, -50.9981 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(255, 0, 229)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 229)  
}
```

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(255, 0, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 229) }
```

## Border

The CSS property to change the border of an element to HunterLab 51.8817, 99.7526, -50.9981 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(255, 0, 229) }
```



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

```
.border{ border-color:rgb(255, 0, 229) }
```

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

Here you see how a box with a 4 pixel rgb(255, 0, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 229);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
229) }
```

# Background

The CSS property to change the background color of an element to HunterLab 51.8817, 99.7526, -50.9981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 229) }
```

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

```
.background{ background-color: rgb(255, 0,  
229) }
```

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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