

# Converting Colors

HunterLab(51.1658, 80.7176,  
-5.8054)

Have a look what the booklet for  
HunterLab(51.1658, 80.7176,  
-5.8054) contains.

<b>HunterLab(51.1524, 80.6660, -5.6164)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**HunterLab(51.1524, 80.6660,  
-5.6164)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF33A0
RGB	255, 51, 160
RGB Percent	100%, 20%, 63%
CMY	0.0000, 0.7999, 0.3725
CMYK	0.00, 0.80, 0.37, 0.00
HSL	328°, 100%, 60%
HSV	328°, 80%, 100%
XYZ	48.7689, 26.1657, 35.7377
YIQ	124.4220, 86.5950, 77.1470

# Conversions

## Conversions Part 2

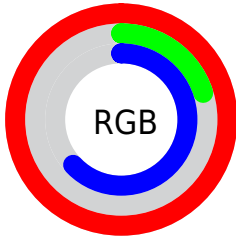
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 51, 160
Decimal	16724896
CIE <sub>Lab</sub>	58.20, 80.48, -10.04
CIE <sub>LCh</sub>	58, 81.105, 352.891
Yxy	26.1671, 0.4407, 0.2364
Android (android.graphics.Color)	4294914976 (0xFFFF33A0)
YUV	124.4220, 17.5400, 114.5169
Hunter-Lab	51.1524, 80.6660, -5.6164

# Details

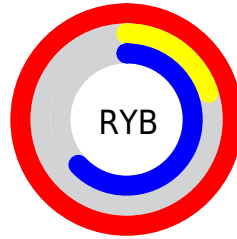
The HunterLab color **51.1524, 80.6660, -5.6164** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **86.1974, -63.2172, 33.2980**, and the grayscale version is **44.9730, -2.3996, 2.4435**.

A 20% lighter version of the original color is **62.7375, 61.2125, -21.0270**, and **35.2726, 63.5356, -1.4722** is the 20% darker color. If you saturate the color by 10%, you get **49.1117, 84.7118, -2.1404**, and if you desaturate by 10%, it is **54.2901, 73.6437, -7.8137**.

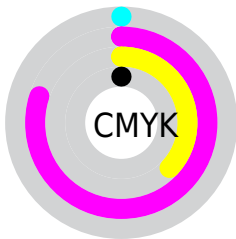
# Distribution



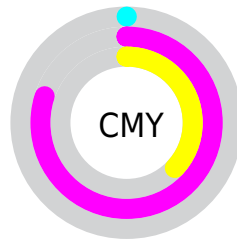
- Red (100%)
- Green (20%)
- Blue (63%)



- Red (100%)
- Yellow (20%)
- Blue (63%)



- Cyan (0%)
- Magenta (80%)
- Yellow (37%)
- Black (0%)



- Cyan (0%)
- Magenta (80%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 51.1524, 80.6660, -5.6164 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 51.1524, 80.6660, -5.6164 by changing the saturation by 10% instead.



51.1524, 80.6660,  
-5.6164

51.1524, 80.6660,  
-5.6164

168.4047, 99.9807,  
-2.8119

41.1688, 78.1928,  
-5.6651

73.1741, 85.5189,  
-5.3280

31.9342, 75.8015,  
-5.6445

85.1306, 87.8444,  
-5.1021

23.5168, 73.6860,  
-5.5443

97.6755, 90.0851,  
-4.8269

16.0053, 72.3356,  
-5.3554

110.7825, 92.2375,  
-4.5057

9.5260, 73.2096,  
-5.0742

124.4283, 94.3013,  
-4.1412

0.0000, INF, -NF

0.0000, INF, NaN

138.5926, 96.2781,

-3.7360

0.0000, NaN, NaN

153.2569, 98.1703,  
-3.2923

0.0000, NaN, NaN

■ 51.1524, 80.6660,  
-5.6164

■ 51.1524, 80.6660,  
-5.6164

■ 49.1117, 84.7118,  
-2.1404

■ 54.2901, 73.6437,  
-7.8137

■ 48.0052, 85.9259,  
2.2023

■ 58.4947, 64.3066,  
-8.6561

■ 48.0046, 85.9264,  
2.2051

■ 63.6719, 53.4659,  
-8.2537

■ 69.6975, 41.8301,  
-6.8122

■ 76.4468, 29.8975,  
-4.5511

■ 83.8078, 17.9685,  
-1.6618

■ 91.6863, 6.1996,  
1.7048

100.0000, -5.3358,  
5.4332

# Harmonies

## Analogous

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



51.1538, 61.2932, -51.4564



51.1524, 80.6660, -5.6164



51.1538, 73.4153, 21.6868

# Triad

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



51.1538, 80.6614, -5.6148



51.1538, -25.9658, 33.4317



51.1538, -36.7851, -76.9033

# Complementary

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



51.1524, 80.6660, -5.6164



86.1974, -63.2172, 33.2980

# 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.



51.1538, -50.4563, -28.1689



51.1524, 80.6660, -5.6164



51.1538, -45.4578, 28.0329

# Square

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



51.1538, 80.6614, -5.6148



51.1538, 5.6985, 34.1233



51.1538, -53.1480, 9.9638



51.1538, -10.6499, -106.9816



# Rectangle

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



51.1524, 80.6660, -5.6164



51.1538, 55.1891, 29.7406



51.1538, -53.1480, 9.9638



51.1538, -42.6765, -61.0663

# Sweetspot

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



51.1538, 80.6614, -5.6148



80.7917, 22.7348, -2.8843



39.2577, 70.1114, -117.4658



36.1713, 12.4868, -1.8044

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

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



51.1538, 80.6614, -5.6148



48.3779, 85.6469, 0.4306



48.9574, 72.0975, 26.0459



42.6021, 2.6045, 0.8696



34.7444, 62.2721, 0.9683



10.9429, 19.7986, -1.1348



# Inverse Universe

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



51.1538, 80.6614, -5.6148



48.3779, 85.6469, 0.4306



88.7719, -47.6197, -3.7229



42.6021, 2.6045, 0.8696



34.7444, 62.2721, 0.9683



10.9429, 19.7986, -1.1348



# Previews

## White Background



This preview shows how the HunterLab color 51.1524, 80.6660, -5.6164 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

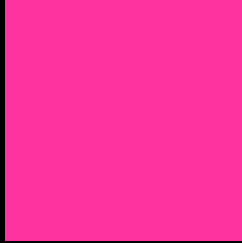
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the HunterLab color 51.1524, 80.6660, -5.6164 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 51.1524, 80.6660, -5.6164 Background



This preview shows how black text looks on a background with the HunterLab color 51.1524, 80.6660, -5.6164.



This preview shows how white text looks on a background with the HunterLab color 51.1524, 80.6660, -5.6164.

-5.6164.

# 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

51.1524, 80.6660, -5.6164

### Protanopia

51.6057, 7.5601, -43.4891

### Deuteranopia

51.1858, 3.5481, -1.8200



## Tritanopia

51.1966, 62.1625, 23.8462

# Trichromacy



## Original Color

51.1524, 80.6660, -5.6164



## Protanomaly

47.1021, 32.8812, -36.1381



## Deuteranomaly

48.0912, 33.2168, -7.4759



## Tritanomaly

50.9253, 68.5150, 15.7349

# Monochromacy



## Original Color

51.1524, 80.6660, -5.6164



## Achromatopsia

44.8950, -2.3955, 2.4392



## Achromatomaly

43.7335, 28.7836, -4.6332

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 51.1524, 80.6660, -5.6164 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, 51, 160)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 160)  
}
```

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, 51, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 160) }
```

## Border

The CSS property to change the border of an element to HunterLab 51.1524, 80.6660, -5.6164 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, 51, 160) }
```



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

```
.border{ border-color:rgb(255, 51, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 51, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 160);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
160) }
```

# Background

The CSS property to change the background color of an element to HunterLab 51.1524, 80.6660, -5.6164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 51, 160) }
```

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

```
.background{ background-color: rgb(255, 51,  
160) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor