

# Converting Colors

HunterLab(46.7944, 80.9231,  
-89.6200)

Have a look what the booklet for  
HunterLab(46.7944, 80.9231,  
-89.6200) contains.

<b>HunterLab(46.7591, 81.0156, -89.7306)</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(46.7591, 81.0156,  
-89.7306)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C636FF
RGB	198, 54, 255
RGB Percent	78%, 21%, 100%
CMY	0.2235, 0.7882, 0.0000
CMYK	0.22, 0.79, 0.00, 0.00
HSL	283°, 100%, 61%
HSV	283°, 79%, 100%
XYZ	42.6579, 21.8641, 96.5797
YIQ	119.9700, 21.3030, 93.0390

# Conversions

## Conversions Part 2

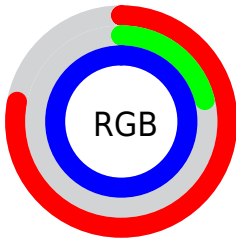
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	198, 54, 255
Decimal	12990207
CIE <sub>Lab</sub>	53.88, 81.60, -71.68
CIE <sub>LCh</sub>	54, 108.607, 318.704
Yxy	21.8649, 0.2648, 0.1357
Android (android.graphics.Color)	4291180287 (0xFFC636FF)
YUV	119.9700, 66.5698, 68.4323
Hunter-Lab	46.7591, 81.0156, -89.7306

# Details

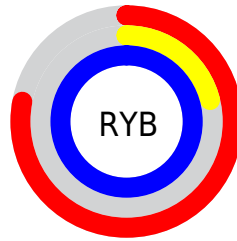
The HunterLab color **46.7591, 81.0156, -89.7306** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **86.6983, -63.2286, 49.9291**, and the grayscale version is **43.0721, -2.2982, 2.3402**.

A 20% lighter version of the original color is **64.1892, 70.2346, -46.6041**, and **30.7156, 65.7254, -81.8868** is the 20% darker color. If you saturate the color by 10%, you get **43.7281, 86.3733, -99.8195**, and if you desaturate by 10%, it is **50.8896, 72.7275, -77.5937**.

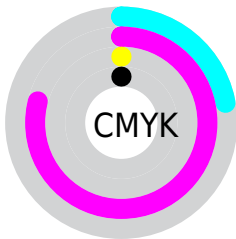
# Distribution



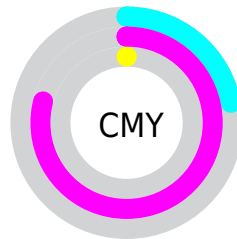
- Red (78%)
- Green (21%)
- Blue (100%)



- Red (78%)
- Yellow (21%)
- Blue (100%)



- Cyan (22%)
- Magenta (79%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (79%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 46.7591, 81.0156, -89.7306 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 46.7591, 81.0156, -89.7306 by changing the saturation by 10% instead.



46.7591, 81.0156,  
-89.7306

46.7591, 81.0156,  
-89.7306

161.8147,  
100.8757, -95.6998

37.0914, 78.5534,  
-90.4799

68.2075, 85.9540,  
-89.9971

28.1999, 76.2494,  
-92.4475

79.9011, 88.3401,  
-90.5802

20.1605, 74.4034,  
-96.7594

92.1958, 90.6461,  
-91.3134

13.0755, 73.8073,  
-106.2480

105.0634, 92.8658,  
-92.1360

6.5568, 85.4599,  
-141.8130

118.4796, 94.9975,  
-93.0086

0.0000, INF, -NF

0.0000, NaN, -NF

132.4227, 97.0416,

-93.9046

0.0000, NaN, -NF

146.8735, 99.0002,  
-94.8059

■ 46.7591, 81.0156,  
-89.7306

■ 46.7591, 81.0156,  
-89.7306

■ 43.7281, 86.3733,  
-99.8195

■ 50.8896, 72.7275,  
-77.5937

■ 41.7360, 88.3712,  
-107.1347

■ 56.0271, 62.4858,  
-64.4999

■ 41.5321, 88.5086,  
-107.9178

■ 62.0388, 51.1855,  
-51.2918

■ 68.7878, 39.4564,  
-38.4675

■ 76.1529, 27.6705,  
-26.2489

■ 84.0341, 16.0163,  
-14.6884

■ 92.3514, 4.5716,  
-3.7520

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.



46.7600, 28.3246, -159.5746



46.7591, 81.0156, -89.7306



46.7600, 114.9107, -16.4336

# Triad

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



46.7600, 81.0148, -89.7278



46.7600, 15.5262, 32.7320



46.7600, -59.1788, -31.9273

# Complementary

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



46.7591, 81.0156, -89.7306



86.6983, -63.2286, 49.9291

# 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.



46.7600, -60.4004, 15.8778



46.7591, 81.0156, -89.7306



46.7600, -26.9562, 32.7320

# Square

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



46.7600, 81.0148, -89.7278



46.7600, 68.6778, 31.7298



46.7600, -51.0809, 30.7248



46.7600, -46.7222, -109.6935



# Rectangle

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



46.7591, 81.0156, -89.7306



46.7600, 116.1483, 13.2898



46.7600, -51.0809, 30.7248



46.7600, -60.6808, -11.5693

# Sweetspot

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



46.7600, 81.0148, -89.7278



79.8939, 22.0280, -20.5933



44.8414, 23.5254, -97.0488



35.6785, 12.1185, -11.4540

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

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



46.7600, 81.0148, -89.7278



42.4014, 87.9347, -104.6234



53.6608, 88.3815, -36.2733



42.4575, 2.4732, -2.0728



30.1536, 64.1498, -77.4981



9.6984, 20.3961, -23.0923



# Inverse Universe

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



50.0465, 74.4486, 14.3246



47.0556, 80.3234, 20.4823



85.5080, -67.5762, 44.1306



42.5109, 2.1150, 2.1683



33.7303, 58.5603, 15.6244



10.6092, 18.5826, 3.6459



# Previews

## White Background



This preview shows how the HunterLab color 46.7591, 81.0156, -89.7306 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

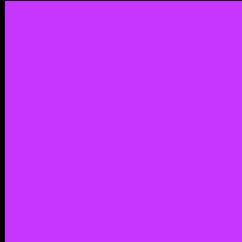
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 46.7591, 81.0156, -89.7306 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

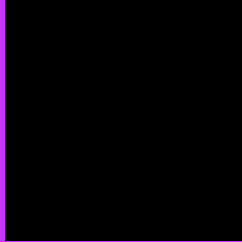
Any Text WCAG AA ✓ Pass

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 46.7591, 81.0156, -89.7306 Background



This preview shows how black text looks on a background with the HunterLab color 46.7591, 81.0156, -89.7306.



This preview shows how white text looks on a background with the HunterLab color 46.7591, 81.0156, -89.7306.

-89.7306.

# 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

46.7591, 81.0156, -89.7306

### Protanopia

47.2849, 16.5262, -89.2014

### Deuteranopia

46.9064, 3.6890, -66.5924



## Tritanopia

46.4422, 21.7740, 7.5132

# Trichromacy



## Original Color

46.7591, 81.0156, -89.7306



## Protanomaly

43.2901, 37.8356, -102.2369



## Deuteranomaly

41.6767, 26.6486, -91.1303



## Tritanomaly

44.9990, 42.4562, -19.6985

# Monochromacy



## Original Color

46.7591, 81.0156, -89.7306



## Achromatopsia

43.3383, -2.3124, 2.3547



## Achromatomaly

41.8643, 27.1793, -26.8878

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 46.7591, 81.0156, -89.7306 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(198, 54, 255)` looks like.

```
.text, #text, p{  
    color:rgb(198, 54, 255)  
}
```

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(198, 54, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 54, 255) }
```

## Border

The CSS property to change the border of an element to HunterLab 46.7591, 81.0156, -89.7306 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(198, 54, 255) }
```



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

```
.border{ border-color:rgb(198, 54, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 54, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 54, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 54, 255);  
box-shadow:4px 4px 4px 4px rgb(198, 54,  
255) }
```

# Background

The CSS property to change the background color of an element to HunterLab 46.7591, 81.0156, -89.7306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 54, 255) }
```

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

```
.background{ background-color: rgb(198, 54,  
255) }
```

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