

# Converting Colors

HunterLab(46.0097, 7.8549,  
-49.2439)

Have a look what the booklet for  
HunterLab(46.0097, 7.8549,  
-49.2439) contains.

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# Color

**HunterLab(45.9276, 8.0098,  
-49.4312)**

# Conversions

Conversions Part 1	
Format	Color
Hex	587CD1
RGB	88, 124, 209
RGB Percent	35%, 49%, 82%
CMY	0.6549, 0.5137, 0.1804
CMYK	0.58, 0.41, 0.00, 0.18
HSL	222°, 57%, 58%
HSV	222°, 58%, 82%
XYZ	22.7407, 21.0934, 63.1944
YIQ	122.9260, -48.7410, 18.8030

# Conversions

## Conversions Part 2

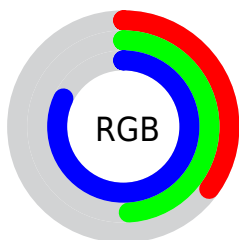
Format	Color
<a href="#">RYB</a>	<a href="#">88, 116, 209</a>
Decimal	<a href="#">5799121</a>
CIELab	<a href="#">53.05, 12.77, -47.77</a>
CIELCh	<a href="#">53, 49.449, 284.962</a>
Yxy	<a href="#">21.0941, 0.2125, 0.1971</a>
Android (android.graphics.Color)	<a href="#">4283989201</a> ( <a href="#">0xFF587CD1</a> )
YUV	<a href="#">122.9260, 42.4345, -30.6301</a>
Hunter-Lab	<a href="#">45.9276, 8.0098, -49.4312</a>

# Details

The HunterLab color `45.9276, 8.0098, -49.4312` is a dark color, and the websafe version is hex `6699FF`. The color can be described as middle muted azure. A complement of this color would be `66.4448, -0.7591, 32.6902`, and the grayscale version is `44.3307, -2.3654, 2.4086`.

A 20% lighter version of the original color is `66.6196, 5.1390, -43.0583`, and `27.5455, 7.4159, -48.7008` is the 20% darker color. If you saturate the color by 10%, you get `40.9951, 12.4397, -61.7631`, and if you desaturate by 10%, it is `51.2079, 4.4700, -38.2102`.

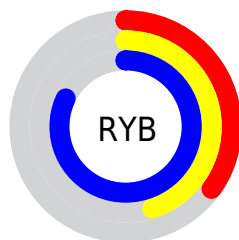
# Distribution



Red (35%)

Green (49%)

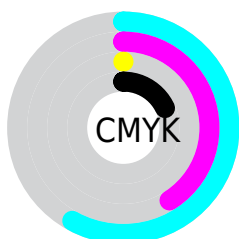
Blue (82%)



Red (35%)

Yellow (45%)

Blue (82%)

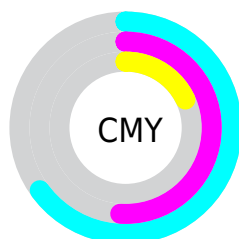


Cyan (58%)

Magenta (41%)

Yellow (0%)

Black (18%)



Cyan (65%)

Magenta (51%)

Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 45.9276, 8.0098, -49.4312 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 45.9276, 8.0098, -49.4312 by changing the saturation by 10% instead.



■ 45.9276, 8.0098,  
-49.4312

■ 45.9276, 8.0098,  
-49.4312

160.5548, 6.9277,  
-55.4149

■ 36.3219, 7.8056,  
-48.9393

■ 67.2638, 8.1773,  
-50.7913

■ 27.4981, 7.5030,  
-48.7782

■ 78.9061, 8.1576,  
-51.5262

■ 19.5337, 7.0837,  
-49.3271

■ 91.1519, 8.0778,  
-52.2544

■ 12.5339, 6.5201,  
-51.5689

■ 103.9729, 7.9430,  
-52.9598

■ 5.8131, 9.2597,  
-68.6760

117.3443, 7.7574,  
-53.6330

0.0000, NaN, -NF

0.0000, NaN, -NF

131.2444, 7.5244,

-54.2685

0.0000, NaN, -NF

145.6537, 7.2470,  
-54.8630

0.0000, NaN, NaN

■ 45.9276, 8.0098,  
-49.4312

■ 45.9276, 8.0098,  
-49.4312

■ 40.9951, 12.4397,  
-61.7631

■ 51.2079, 4.4700,  
-38.2102

■ 36.4805, 17.8937,  
-75.2462

■ 56.7772, 1.6717,  
-27.9766

■ 32.4726, 24.4315,  
-89.7015


■ 62.5922, -0.5173,  
-18.5795


■ 29.0582, 31.8908,  
-104.6162


■ 68.6190, -2.2080,  
-9.8769


■ 28.4043, 33.5024,  
-107.8248

■ 74.8309, -3.4899,  
-1.7450

 81.2067, -4.4347,  
5.9197

 87.7295, -5.0989,  
13.2019

 94.3647, -5.6001,  
20.1483

 98.6831, -12.5990,  
24.3453

# Harmonies

## Analogous

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



45.9284, -12.1015, -49.4053



45.9276, 8.0098, -49.4312



45.9284, 28.3390, -32.0764

# Triad

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



45.9284, 8.0103, -49.4300



45.9284, 28.3842, 21.6940



45.9284, -34.2643, 11.0897

# Complementary

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



45.9276, 8.0098, -49.4312



66.4448, -0.7591, 32.6902

# 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.



45.9284, -26.8013, 21.7112



45.9276, 8.0098, -49.4312



45.9284, 8.0641, 25.7814

# Square

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



45.9284, 8.0103, -49.4300



45.9284, 41.4120, 11.0522



45.9284, -12.0562, 25.7859



45.9284, -34.2736, -8.0979



# Rectangle

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



45.9276, 8.0098, -49.4312



45.9284, 38.2971, -16.0451



45.9284, -12.0562, 25.7859



45.9284, -32.6099, 15.5482

# Sweetspot

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



45.9284, 8.0103, -49.4300



86.4700, -2.8925, -11.6380



71.1912, -38.4835, 10.3937



39.2848, -1.1632, -6.3752

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

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



45.9284, 8.0103, -49.4300



50.2227, 16.7734, -80.4477



38.7841, 32.0324, -67.7559



34.6162, -1.5550, -1.3804



22.6394, 25.3445, -83.0087



6.5192, 3.1005, -14.8415



# Inverse Universe

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



46.8947, 45.1560, 5.5771



53.3934, 67.5760, 10.0837



75.2300, -26.0139, 38.6237



34.4460, 1.6518, 1.7019



29.3065, 50.9760, 12.8302

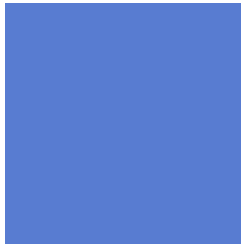


7.0299, 12.4214, 1.5783



# Previews

## White Background



This preview shows how the HunterLab color 45.9276, 8.0098, -49.4312 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

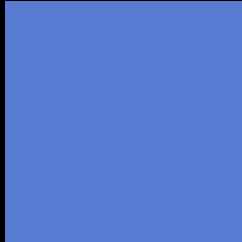
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the HunterLab color 45.9276, 8.0098, -49.4312 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

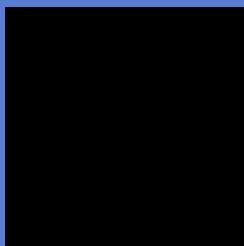
Any Text WCAG AA ✓ Pass

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 45.9276, 8.0098, -49.4312 Background



This preview shows how black text looks on a background with the HunterLab color 45.9276, 8.0098, -49.4312.



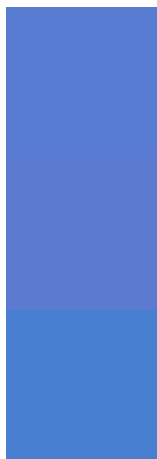
This preview shows how white text looks on a background with the HunterLab color 45.9276, 8.0098, -49.4312.



# 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

45.9276, 8.0098, -49.4312

### Protanopia

45.8206, 8.9527, -48.8252

### Deuteranopia

45.9883, 3.8333, -48.5298



## Tritanopia

45.9197, -16.8390, -8.1739

# Trichromacy



## Original Color

45.9276, 8.0098, -49.4312

## Protanomaly

45.7648, 8.7721, -48.9570

## Deuteranomaly

45.9298, 5.0758, -48.6422

## Tritanomaly

45.5879, -8.5968, -21.5203

# Monochromacy



## Original Color

45.9276, 8.0098, -49.4312

## Achromatopsia

44.5050, -2.3747, 2.4180

## Achromatomaly

44.5129, -0.3184, -13.2978

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 45.9276, 8.0098, -49.4312 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(88, 124, 209)` looks like.

```
.text, #text, p{  
    color:rgb(88, 124, 209)  
}
```

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(88, 124, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 124, 209) }
```

## Border

The CSS property to change the border of an element to HunterLab 45.9276, 8.0098, -49.4312 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(88, 124, 209) }
```



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

```
.border{ border-color:rgb(88, 124, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 124, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 124, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 124, 209);  
box-shadow:4px 4px 4px 4px rgb(88, 124,  
209) }
```

# Background

The CSS property to change the background color of an element to HunterLab 45.9276, 8.0098, -49.4312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 124, 209) }
```

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

```
.background{ background-color: rgb(88, 124,  
209) }
```

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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