

# Converting Colors

HunterLab(65.8758, 72.7563,  
-57.1038)

Have a look what the booklet for  
HunterLab(65.8758, 72.7563,  
-57.1038) contains.

<b>HunterLab(64.7402, 68.6960, -45.5479)</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(64.7402, 68.6960,  
-45.5479)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF78FF
RGB	255, 120, 255
RGB Percent	100%, 47%, 100%
CMY	0.0000, 0.5294, 0.0000
CMYK	0.00, 0.53, 0.00, 0.00
HSL	300°, 100%, 74%
HSV	300°, 53%, 100%
XYZ	66.0065, 41.9129, 99.2188
YIQ	175.7550, 37.1250, 70.6050

# Conversions

## Conversions Part 2

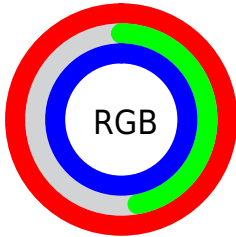
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 120, 255
Decimal	16742655
CIE <sub>Lab</sub>	70.81, 68.59, -44.22
CIE <sub>LCh</sub>	71, 81.611, 327.188
Yxy	41.9145, 0.3187, 0.2023
Android (android.graphics.Color)	4294932735 (0xFFFF78FF)
YUV	175.7550, 39.0678, 69.4979
Hunter-Lab	64.7402, 68.6960, -45.5479

# Details

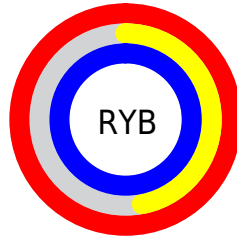
The HunterLab color  $64.7402, 68.6960, -45.5479$  is a light color, and the websafe version is hex  $FF66FF$ . A complement of this color would be  $87.6754, -57.9531, 40.9929$ , and the grayscale version is  $65.6215, -3.5014, 3.5653$ .

A 20% lighter version of the original color is  $77.4108, 37.5002, -24.1047$ , and  $43.6083, 64.3605, -44.6404$  is the 20% darker color. If you saturate the color by 10%, you get  $60.4779, 81.1049, -54.0634$ , and if you desaturate by 10%, it is  $69.9184, 55.0565, -36.1790$ .

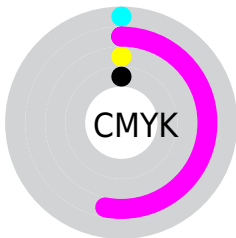
# Distribution



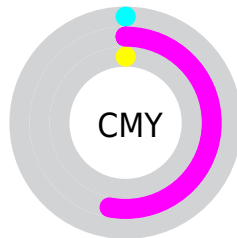
- Red (100%)
- Green (47%)
- Blue (100%)



- Red (100%)
- Yellow (47%)
- Blue (100%)



- Cyan (0%)
- Magenta (53%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (53%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the HunterLab color 64.7402, 68.6960, -45.5479 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 64.7402, 68.6960, -45.5479 by changing the saturation by 10% instead.





 64.7402, 68.6960,  
-45.5479


 64.7402, 68.6960,  
-45.5479


188.1829, 84.1421,  
-50.6671


 53.8835, 66.5223,  
-44.8456


 88.3573, 72.7578,  
-46.9406

 43.7113, 64.2776,  
-44.1938

 101.0517, 74.6469,  
-47.5991

 34.2746, 61.9971,  
-43.6700


 114.3018, 76.4424,  
-48.2198

 25.6358, 59.7718,  
-43.4365

128.0852, 78.1476,  
-48.7985

 17.8770, 57.8309,  
-43.8635

142.3819, 79.7663,  
-49.3331

 11.1123, 56.8388,  
-45.9592

157.1743, 81.3025,

 2.9980, 121.8110,

-49.8227

-103.5126

172.4462, 82.7598,  
-50.2672

0.0000, INF, -NF

0.0000, NaN, -NF

■ 64.7402, 68.6960,  
-45.5479

■ 64.7402, 68.6960,  
-45.5479

■ 60.4779, 81.1049,  
-54.0634

■ 69.9184, 55.0565,  
-36.1790

■ 57.2163, 91.4814,  
-61.1787

■ 75.9001, 40.8632,  
-26.4190

■ 54.9953, 99.0619,  
-66.3738

■ 82.5764, 26.5723,  
-16.5801

■ 53.7706, 103.4422,  
-69.3747

■ 89.8476, 12.4564,  
-6.8495

■ 53.3667, 104.9207,

■ 97.6277, -1.3474,

-70.3875

2.6781

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.



64.7414, 32.7612, -91.5509



64.7402, 68.6960, -45.5479



64.7414, 85.0959, 0.0802

# Triad

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



64.7414, 68.6927, -45.5456



64.7414, 0.1051, 41.3715



64.7414, -55.7852, -36.1425

# Complementary

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



64.7402, 68.6960, -45.5479



87.6754, -57.9531, 40.9929

# 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.



64.7414, -60.7382, 6.7886



64.7402, 68.6960, -45.5479



64.7414, -33.1321, 39.6103

# Square

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



64.7414, 68.6927, -45.5456



64.7414, 40.2696, 38.6740



64.7414, -53.4646, 30.7025



64.7414, -37.9804, -84.2882



# Rectangle

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



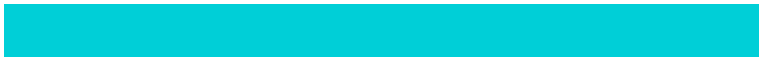
64.7402, 68.6960, -45.5479



64.7414, 80.4997, 20.6468



64.7414, -53.4646, 30.7025



64.7414, -58.8042, -20.1095

# Sweetspot

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



64.7414, 68.6927, -45.5456



87.5639, 16.7488, -9.8097



49.6467, 30.0186, -81.8666



39.8135, 9.0913, -5.4640

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

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



64.7414, 68.6927, -45.5456



60.0830, 82.3174, -54.8951



61.8901, 56.0331, -6.1922



42.7790, 3.5516, -1.6432



38.5764, 75.8426, -50.8800



12.0372, 23.6656, -15.8764



# Inverse Universe

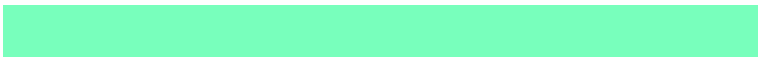
The Inverse Universe completely reimagines the original color for something new.



64.7414, 68.6927, -45.5456



60.0830, 82.3174, -54.8951



88.9511, -50.2509, 22.4061



42.7790, 3.5516, -1.6432



38.5764, 75.8426, -50.8800



12.0372, 23.6656, -15.8764



# Previews

## White Background



This preview shows how the HunterLab color 64.7402, 68.6960, -45.5479 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

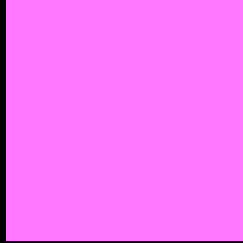
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 64.7402, 68.6960, -45.5479 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 ✓ Pass

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

# HunterLab 64.7402, 68.6960, -45.5479 Background



This preview shows how black text looks on a background with the HunterLab color 64.7402, 68.6960, -45.5479.



This preview shows how white text looks on a background with the HunterLab color 64.7402, 68.6960, -45.5479.

-45.5479.

# 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

64.7402, 68.6960, -45.5479

### Protanopia

65.0193, 7.3254, -46.0783

### Deuteranopia

65.0860, 5.1790, -39.2281



## Tritanopia

64.5800, 33.7217, 11.5082

# Trichromacy



## Original Color

64.7402, 68.6960, -45.5479



## Protanomaly

63.1402, 28.1581, -49.4391



## Deuteranomaly

63.2939, 26.6908, -44.4845

## Tritanomaly

64.1781, 45.3237, -5.7312

# Monochromacy



## Original Color

64.7402, 68.6960, -45.5479



## Achromatopsia

65.8903, -3.5157, 3.5799



## Achromatomaly

64.1591, 21.5005, -13.4634

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 64.7402, 68.6960, -45.5479 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, 120, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 120, 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(255, 120, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 120, 255) }
```

## Border

The CSS property to change the border of an element to HunterLab 64.7402, 68.6960, -45.5479 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, 120, 255) }
```



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

```
.border{ border-color:rgb(255, 120, 255) }
```

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

Here you see how a box with a 4 pixel rgb(255, 120, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 120, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 120, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 120,  
255) }
```

# Background

The CSS property to change the background color of an element to HunterLab 64.7402, 68.6960, -45.5479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 120, 255) }
```

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

```
.background{ background-color: rgb(255,  
120, 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