

# Converting Colors

HunterLab(46.5657, -26.3464,  
-145.3944)

Have a look what the booklet for  
HunterLab(46.5657, -26.3464,  
-145.3944) contains.

<b>HunterLab(55.0738, -0.4242, -67.9218)</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(55.0738, -0.4242,  
-67.9218)**

# Conversions

## Conversions Part 1

Format	Color
Hex	009AFF
RGB	0, 154, 255
RGB Percent	0%, 60%, 100%
CMY	0.9997, 0.3961, 0.0000
CMYK	1.00, 0.40, 0.00, 0.00
HSL	204°, 100%, 50%
HSV	204°, 100%, 100%
XYZ	29.6056, 30.3312, 98.9020
YIQ	119.4680, -124.2050, -1.2370

# Conversions

## Conversions Part 2

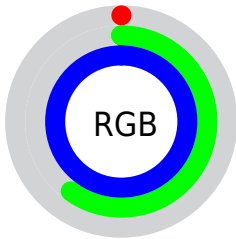
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 96, 255
Decimal	39679
CIELab	61.94, 2.99, -59.31
CIELCh	62, 59.389, 272.887
Yxy	30.3321, 0.1864, 0.1910
Android (android.graphics.Color)	4278229759 (0xFF009AFF)
YUV	119.4680, 66.8173, -104.7734
Hunter-Lab	55.0738, -0.4242, -67.9218

# Details

The HunterLab color **55.0738, -0.4242, -67.9218** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **55.3009, 51.3833, 34.9734**, and the grayscale version is **42.9247, -2.2904, 2.3322**.

A 20% lighter version of the original color is **74.6837, -17.6743, -29.3971**, and **37.3870, 6.8732, -61.5676** is the 20% darker color. If you saturate the color by 10%, you get **55.0652, -0.4095, -67.9427**, and if you desaturate by 10%, it is **58.3286, -4.8836, -60.3108**.

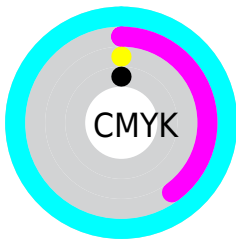
# Distribution



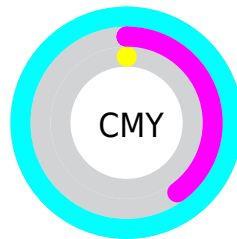
- Red (0%)
- Green (60%)
- Blue (100%)



- Red (0%)
- Yellow (38%)
- Blue (100%)



- Cyan (100%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)



- Cyan (100%)
- Magenta (40%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 55.0738, -0.4242, -67.9218 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 55.0738, -0.4242, -67.9218 by changing the saturation by 10% instead.



■ 55.0738, -0.4242,  
-67.9218

■ 55.0738, -0.4242,  
-67.9218

174.1980, -5.6250,  
-74.7497

■ 44.8227, -0.0397,  
-67.5300

■ 77.5803, -1.3258,  
-69.2610

■ 35.3002, 0.2925,  
-67.5425

■ 89.7604, -1.8379,  
-70.0527

■ 26.5678, 0.5670,  
-68.3117

■ 102.5187, -2.3871,  
-70.8692

■ 18.7048, 0.7745,  
-70.6159

■ 115.8300, -2.9713,  
-71.6876

■ 11.8208, 0.9005,  
-76.4971

■ 129.6722, -3.5886,  
-72.4929

■ 4.6340, 2.5654,  
-124.7382

144.0257, -4.2376,

0.0000, NaN, -NF

-73.2756

0.0000, NaN, -NF

158.8730, -4.9168,  
-74.0293

0.0000, NaN, -NF

■ 55.0738, -0.4242,  
-67.9218

■ 55.0738, -0.4242,  
-67.9218

■ 55.0652, -0.4095,  
-67.9427

■ 58.3286, -4.8836,  
-60.3108

■ 61.8691, -8.4599,  
-52.6885

■ 65.7191, -11.0323,  
-45.0499

■ 69.8689, -12.6148,  
-37.4510

■ 74.3018, -13.2637,  
-29.9412

■ 78.9977, -13.0563,  
-22.5563

■ 83.9363, -12.0776,  
-15.3183

■ 89.0977, -10.4117,  
-8.2374

■ 94.4634, -8.1376,  
-1.3151

# Harmonies

## Analogous

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



55.0746, -23.7550, -57.6322



55.0738, -0.4242, -67.9218



55.0746, 26.6312, -53.0955

# Triad

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



55.0746, -0.4233, -67.9198



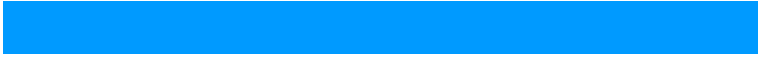
55.0746, 45.1542, 22.9430



55.0746, -40.4738, 20.4448

# Complementary

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



55.0738, -0.4242, -67.9218



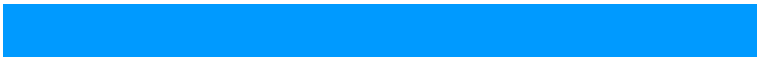
55.3009, 51.3833, 34.9734

# 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.



55.0746, -27.3487, 29.7094



55.0738, -0.4242, -67.9218



55.0746, 21.5108, 30.6156

# Square

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



55.0746, -0.4233, -67.9198



55.0746, 55.8020, 5.3198



55.0746, -5.4155, 32.3546



55.0746, -44.2092, 0.5702



# Rectangle

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



55.0738, -0.4242, -67.9218



55.0746, 42.4080, -33.7046



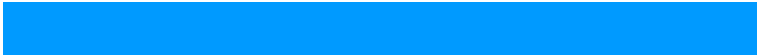
55.0746, -5.4155, 32.3546



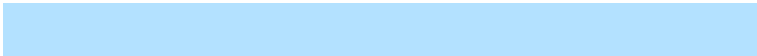
55.0746, -37.1496, 24.5306

# Sweetspot

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



55.0746, -0.4233, -67.9198



83.9214, -12.0816, -15.3394



85.0873, -69.2771, 43.2008



37.8496, -5.8210, -8.5000

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136

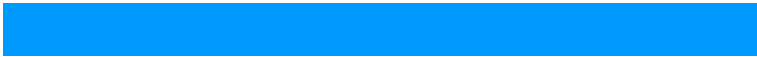


# Same Dimension

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



55.0746, -0.4233, -67.9198



55.0652, -0.4095, -67.9427



28.5303, 65.8837, -177.8748



43.8210, -3.7095, -0.4610



40.1790, -0.9329, -48.2063



13.3614, -1.6430, -13.1539



# Inverse Universe

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



48.5744, 87.9796, -5.8451



48.5717, 87.9819, -5.8329



86.7471, -11.3986, 53.2521



42.6278, 2.7428, 0.5027



35.1535, 63.7538, -4.8228



11.0669, 20.2458, -2.8750



# Previews

## White Background



This preview shows how the HunterLab color 55.0738, -0.4242, -67.9218 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

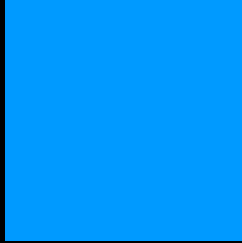
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 55.0738, -0.4242, -67.9218 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

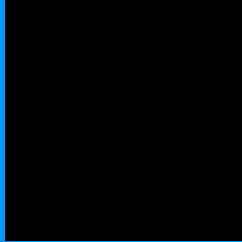
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

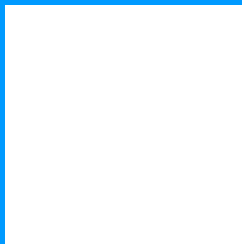
Any Text WCAG AAA ✓ Pass

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

## HunterLab 55.0738, -0.4242, -67.9218 Background



This preview shows how black text looks on a background with the HunterLab color 55.0738, -0.4242, -67.9218.



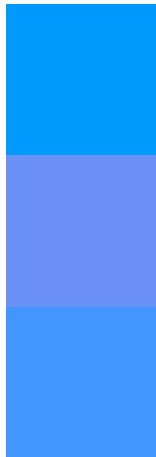
This preview shows how white text looks on a background with the HunterLab color 55.0738, -0.4242, -67.9218.



# 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

55.0738, -0.4242, -67.9218

### Protanopia

54.8562, 11.3086, -61.1080

### Deuteranopia

55.0106, 5.4253, -67.9753



## Tritanopia

54.8494, -26.3726, -11.6262

# Trichromacy



## Original Color

55.0738, -0.4242, -67.9218

## Protanomaly

54.1395, 4.9224, -65.5999

## Deuteranomaly

54.6505, 2.7165, -68.9163

## Tritanomaly

54.6786, -18.1083, -29.2530

# Monochromacy



## Original Color

55.0738, -0.4242, -67.9218

## Achromatopsia

42.9506, -2.2917, 2.3336

## Achromatomaly

45.6795, -8.4304, -20.0839

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 55.0738, -0.4242, -67.9218 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(0, 154, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 154, 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(0, 154, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 154, 255) }
```

## Border

The CSS property to change the border of an element to HunterLab 55.0738, -0.4242, -67.9218 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(0, 154, 255) }
```



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

```
.border{ border-color:rgb(0, 154, 255) }
```

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

Here you see how a box with a 4 pixel rgb(0, 154, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 154, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 154, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 154,  
255) }
```

# Background

The CSS property to change the background color of an element to HunterLab 55.0738, -0.4242, -67.9218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 154, 255) }
```

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

```
.background{ background-color: rgb(0, 154,  
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