

# Converting Colors

HunterLab(64.8910, -15.9230,  
-46.7350)

Have a look what the booklet for  
HunterLab(64.8910, -15.9230,  
-46.7350) contains.

<b>HunterLab(64.7441, -15.7068, -47.0180)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**HunterLab(64.7441,  
-15.7068, -47.0180)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00B9FF
RGB	0, 185, 255
RGB Percent	0%, 73%, 100%
CMY	0.9997, 0.2745, 0.0000
CMYK	1.00, 0.27, 0.00, 0.00
HSL	196°, 100%, 50%
HSV	196°, 100%, 100%
XYZ	35.3990, 41.9180, 100.8331
YIQ	137.6650, -132.7300, -17.4500

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 107, 255
Decimal	47615
CIELab	70.82, -14.46, -45.26
CIELCh	71, 47.517, 252.283
Yxy	41.9193, 0.1987, 0.2353
Android (android.graphics.Color)	4278237695 (0xFF00B9FF)
YUV	137.6650, 57.8462, -120.7322
Hunter-Lab	64.7441, -15.7068, -47.0180

# Details

The HunterLab color **64.7441, -15.7068, -47.0180** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **50.6457, 64.4571, 32.3335**, and the grayscale version is **50.1050, -2.6735, 2.7223**.

A 20% lighter version of the original color is **85.8145, -33.0357, -13.0652**, and **45.3649, -6.8147, -41.9913** is the 20% darker color. If you saturate the color by 10%, you get **64.7379, -15.6978, -47.0298**, and if you desaturate by 10%, it is **67.1827, -18.4240, -42.4181**.

# Distribution



- Red (0%)
- Green (73%)
- Blue (100%)



- Red (0%)
- Yellow (42%)
- Blue (100%)



- Cyan (100%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (100%)
- Magenta (27%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 64.7441, -15.7068, -47.0180 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 64.7441, -15.7068, -47.0180 by changing the saturation by 10% instead.



64.7441, -15.7068,  
-47.0180

64.7441, -15.7068,  
-47.0180

188.1883,  
-27.8818, -52.3024

53.8870, -14.3409,  
-46.3127

88.3615, -18.4054,  
-48.4339

43.7146, -12.9547,  
-45.6674

101.0560,  
-19.7486, -49.1089

34.2776, -11.5360,  
-45.1659

114.3063,  
-21.0922, -49.7481

25.6386, -10.0664,  
-44.9822

128.0899,  
-22.4385, -50.3467

17.8795, -8.5147,  
-45.5123

142.3868,  
-23.7893, -50.9022

11.1144, -6.8426,  
-47.8329

157.1793,

3.0042, -5.2574,

-25.1460, -51.4134

-107.8729

172.4514,  
-26.5099, -51.8801

0.0000, NaN, -NF

0.0000, NaN, -NF

■ 64.7441, -15.7068,  
-47.0180

■ 64.7441, -15.7068,  
-47.0180

■ 64.7379, -15.6978,  
-47.0298

■ 67.1827, -18.4240,  
-42.4181

■ 69.8394, -20.3833,  
-37.6392

■ 72.7507, -21.4422,  
-32.6497

■ 75.9227, -21.5770,  
-27.4761

■ 79.3529, -20.8061,

-22.1552

■ 83.0333, -19.1742,  
-16.7257

■ 86.9527, -16.7416,  
-11.2229

■ 91.0983, -13.5759,  
-5.6774

■ 95.4566, -9.7467,  
-0.1135

# Harmonies

## Analogous

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



64.7451, -31.5990, -29.3842



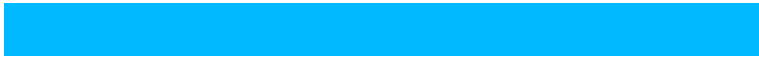
64.7441, -15.7068, -47.0180



64.7451, 5.6867, -48.6825

# Triad

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



64.7451, -15.7064, -47.0159



64.7451, 42.7118, 11.4336



64.7451, -29.2745, 26.5988

# Complementary

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



64.7441, -15.7068, -47.0180



50.6457, 64.4571, 32.3335

# 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.



64.7451, -12.1220, 31.6018



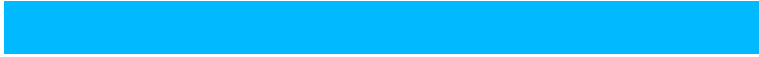
64.7441, -15.7068, -47.0180



64.7451, 30.4995, 24.9928

# Square

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



64.7451, -15.7064, -47.0159



64.7451, 41.4181, -9.7972



64.7451, 9.7743, 31.1318



64.7451, -38.6914, 14.5052



# Rectangle

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



64.7441, -15.7068, -47.0180



64.7451, 20.4415, -39.9682



64.7451, 9.7743, 31.1318



64.7451, -24.3261, 28.9532

# Sweetspot

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



64.7451, -15.7064, -47.0159



86.9406, -16.7500, -11.2396



84.8166, -70.9692, 47.1919



39.4452, -8.2666, -6.2764

0.0000, NaN, NaN

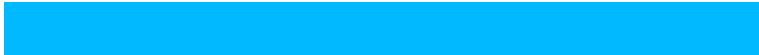


46.2646, -2.4686, 2.5136

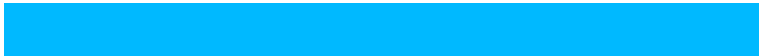


# Same Dimension

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



64.7451, -15.7064, -47.0159



64.7379, -15.6978, -47.0298



32.2586, 52.2446, -153.0930



44.2587, -4.4199, 0.0674



47.0759, -11.7581, -33.4585



15.2988, -4.5471, -9.3062



# Inverse Universe

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



49.7640, 92.2525, -22.4071



49.7614, 92.2553, -22.3976



77.7964, 3.5234, 47.9978



42.6735, 2.9873, -0.1460



36.0072, 66.8188, -16.6967

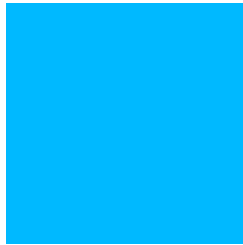


11.3173, 21.1413, -6.3306



# Previews

## White Background



This preview shows how the HunterLab color 64.7441, -15.7068, -47.0180 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

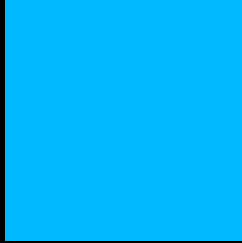
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 64.7441, -15.7068, -47.0180 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

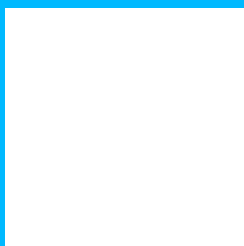
Any Text WCAG AAA ✓ Pass

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

## HunterLab 64.7441, -15.7068, -47.0180 Background



This preview shows how black text looks on a background with the HunterLab color 64.7441, -15.7068, -47.0180.



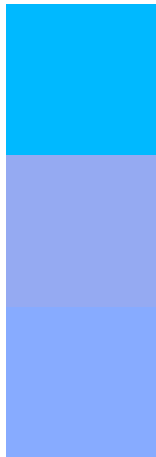
This preview shows how white text looks on a background with the HunterLab color 64.7441, -15.7068, -47.0180.

-15.7068, -47.0180.

# 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

64.7441, -15.7068, -47.0180

### Protanopia

64.4591, 5.7074, -37.4485

### Deuteranopia

64.4179, 5.3245, -47.2893



## Tritanopia

64.5893, -30.7548, -14.3404

# Trichromacy



## Original Color

64.7441, -15.7068, -47.0180

## Protanomaly

63.0938, -6.1955, -43.9210

## Deuteranomaly

63.4422, -5.7589, -49.4239

## Tritanomaly

64.6351, -25.6992, -25.3112

# Monochromacy



## Original Color

64.7441, -15.7068, -47.0180

## Achromatopsia

50.4135, -2.6899, 2.7391

## Achromatomaly

53.7155, -13.9618, -15.3980

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 64.7441, -15.7068, -47.0180 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, 185, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 185, 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, 185, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 185, 255) }
```

## Border

The CSS property to change the border of an element to HunterLab 64.7441, -15.7068, -47.0180 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, 185, 255) }
```



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

```
.border{ border-color:rgb(0, 185, 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, 185, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 185, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 185, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 185,  
255) }
```

# Background

The CSS property to change the background color of an element to HunterLab 64.7441, -15.7068, -47.0180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 185, 255) }
```

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

```
.background{ background-color: rgb(0, 185,  
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