

# Converting Colors

HunterLab(80.1731, 27.5710,  
-139.0516)

Have a look what the booklet for  
HunterLab(80.1731, 27.5710,  
-139.0516) contains.

<b>HunterLab(72.0669, -15.5359, -33.6993)</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(72.0669,  
-15.5359, -33.6993)**

# Conversions

## Conversions Part 1

Format	Color
Hex	68C9FF
RGB	104, 201, 255
RGB Percent	41%, 79%, 100%
CMY	0.5921, 0.2118, 0.0000
CMYK	0.59, 0.21, 0.00, 0.00
HSL	201°, 100%, 70%
HSV	201°, 59%, 100%
XYZ	44.6456, 51.9364, 102.2795
YIQ	178.1530, -75.1460, -3.7700

# Conversions

## Conversions Part 2

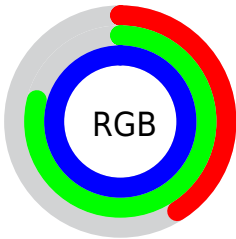
Format	Color
<a href="#">RYB</a>	<a href="#">104, 163, 255</a>
Decimal	<a href="#">6867455</a>
CIELab	<a href="#">77.24, -13.24, -35.11</a>
CIELCh	<a href="#">77, 37.519, 249.342</a>
Yxy	<a href="#">51.9382, 0.2245, 0.2612</a>
Android (android.graphics.Color)	<a href="#">4285057535</a> ( <a href="#">0xFF68C9FF</a> )
YUV	<a href="#">178.1530, 37.8856, -65.0322</a>
Hunter-Lab	<a href="#">72.0669, -15.5359, -33.6993</a>

# Details

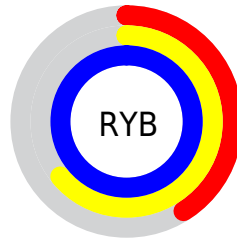
The HunterLab color **72.0669, -15.5359, -33.6993** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **68.3485, 26.5541, 31.2181**, and the grayscale version is **66.6584, -3.5567, 3.6217**.

A 20% lighter version of the original color is **93.1917, -29.8961, -3.2900**, and **50.1511, -12.9218, -32.4851** is the 20% darker color. If you saturate the color by 10%, you get **68.1978, -14.4996, -40.4809**, and if you desaturate by 10%, it is **76.2106, -15.6559, -26.9160**.

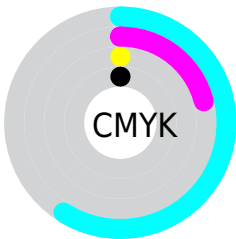
# Distribution



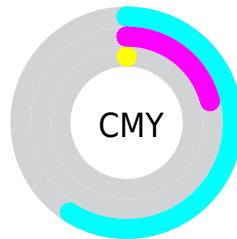
- Red (41%)
- Green (79%)
- Blue (100%)



- Red (41%)
- Yellow (64%)
- Blue (100%)



- Cyan (59%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)



- Cyan (59%)
- Magenta (21%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 72.0669, -15.5359, -33.6993 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 72.0669, -15.5359, -33.6993 by changing the saturation by 10% instead.



72.0669, -15.5359,  
-33.6993

72.0669, -15.5359,  
-33.6993

198.5442,  
-27.2572, -36.8445

60.7913, -14.2453,  
-33.1085

96.4573, -18.1072,  
-34.7409

50.1730, -12.9439,  
-32.4885

109.5118,  
-19.3944, -35.1886

40.2569, -11.6239,  
-31.8599

123.1073,  
-20.6859, -35.5858

31.0969, -10.2732,  
-31.2704

137.2230,  
-21.9835, -35.9329

22.7614, -8.8722,  
-30.8255

151.8405,  
-23.2885, -36.2310

15.3419, -7.3868,  
-30.7872

166.9430,

8.9551, -6.9191,

-24.6019, -36.4813

-32.0257

182.5155,  
-25.9246, -36.6853

0.0000, NaN, -NF

0.0000, NaN, -NF

■ 72.0669, -15.5359,  
-33.6993

■ 72.0669, -15.5359,  
-33.6993

■ 68.1978, -14.4996,  
-40.4809

■ 76.2106, -15.6559,  
-26.9160

■ 64.6119, -12.5006,  
-47.2204

■ 80.6092, -14.9265,  
-20.1766

■ 61.3149, -9.5339,  
-53.8682

■ 85.2466, -13.4248,  
-13.5073

■ 58.2860, -5.7008,  
-60.4217

■ 90.1052, -11.2293,  
-6.9269

■ 58.0536, -5.3817,

■ 95.1683, -8.4154,

-60.9445

-0.4458

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.



72.0681, -28.4656, -19.9332



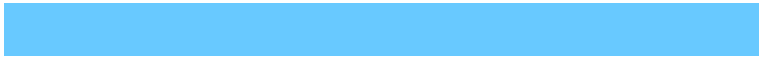
72.0669, -15.5359, -33.6993



72.0681, 1.7939, -36.1890

# Triad

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



72.0681, -15.5361, -33.6971



72.0681, 33.1470, 9.0127



72.0681, -24.2979, 24.8414

# Complementary

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



72.0669, -15.5359, -33.6993



68.3485, 26.5541, 31.2181

# 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.



72.0681, -9.3239, 29.2311



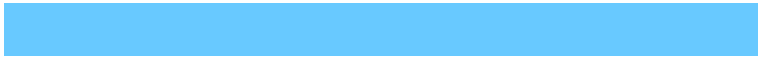
72.0669, -15.5359, -33.6993



72.0681, 24.5910, 21.6685

# Square

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



72.0681, -15.5361, -33.6971



72.0681, 31.0718, -8.5410



72.0681, 8.6334, 28.2309

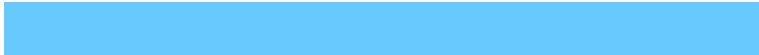


72.0681, -33.1728, 14.4944



# Rectangle

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



72.0669, -15.5359, -33.6993



72.0681, 13.7096, -30.6406



72.0681, 8.6334, 28.2309



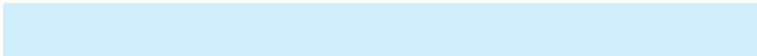
72.0681, -19.8729, 26.9330

# Sweetspot

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



72.0681, -15.5361, -33.6971



90.7086, -10.9196, -6.1356



87.6886, -56.6753, 31.5171



41.2984, -5.3887, -3.7183

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

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



72.0681, -15.5361, -33.6971



67.5357, -14.2137, -41.6903



50.2531, 23.2528, -80.2479



43.9596, -3.9351, -0.2931



42.3117, -4.4514, -43.2767



13.9638, -2.5829, -11.8778



# Inverse Universe

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



59.4806, 66.1666, -17.2730



54.6623, 77.4370, -17.9589



89.5381, -11.7703, 46.2932



42.6422, 2.8200, 0.2979



35.4052, 64.6613, -8.3528

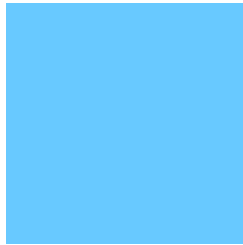


11.1418, 20.5144, -3.9154



# Previews

## White Background



This preview shows how the HunterLab color 72.0669, -15.5359, -33.6993 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

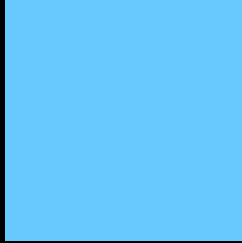
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 72.0669, -15.5359, -33.6993 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

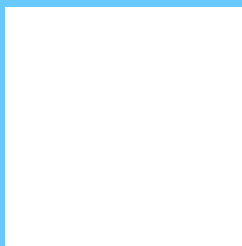
Any Text WCAG AAA ✓ Pass

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

## HunterLab 72.0669, -15.5359, -33.6993 Background



This preview shows how black text looks on a background with the HunterLab color 72.0669, -15.5359, -33.6993.



This preview shows how white text looks on a background with the HunterLab color 72.0669, -15.5359, -33.6993.

-15.5359, -33.6993.

# 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

72.0669, -15.5359, -33.6993

### Protanopia

71.5871, 4.2105, -27.3615

### Deuteranopia

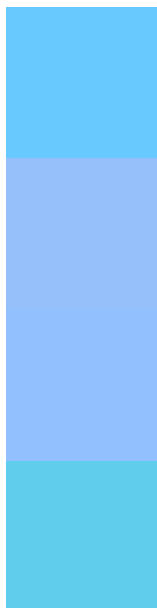
71.6287, 5.2263, -34.0819



## Tritanopia

72.1990, -27.8295, -13.3283

# Trichromacy



## Original Color

72.0669, -15.5359, -33.6993

## Protanomaly

71.3641, -3.9691, -30.5545

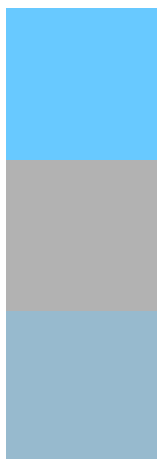
## Deuteranomaly

71.4355, -3.1884, -34.5601

## Tritanomaly

72.1760, -23.5595, -20.5028

# Monochromacy



## Original Color

72.0669, -15.5359, -33.6993

## Achromatopsia

66.7234, -3.5602, 3.6252

## Achromatomaly

67.9363, -9.9486, -9.2731

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 72.0669, -15.5359, -33.6993 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(104, 201, 255)` looks like.

```
.text, #text, p{  
    color:rgb(104, 201, 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(104, 201, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 201, 255) }
```

## Border

The CSS property to change the border of an element to HunterLab 72.0669, -15.5359, -33.6993 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(104, 201, 255) }
```



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

```
.border{ border-color:rgb(104, 201, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 201, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 201, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 201, 255);  
box-shadow:4px 4px 4px 4px rgb(104, 201,  
255) }
```

# Background

The CSS property to change the background color of an element to HunterLab 72.0669, -15.5359, -33.6993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 201, 255) }
```

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

```
.background{ background-color: rgb(104,  
201, 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