

# Converting Colors

HunterLab(72.9466, -15.5991,  
-35.9954)

Have a look what the booklet for  
HunterLab(72.9466, -15.5991,  
-35.9954) contains.

<b>HunterLab(72.6338, -16.8016, -32.7646)</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(72.6338,  
-16.8016, -32.7646)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66CBFF
RGB	102, 203, 255
RGB Percent	40%, 80%, 100%
CMY	0.6000, 0.2039, 0.0000
CMYK	0.60, 0.20, 0.00, 0.00
HSL	200°, 100%, 70%
HSV	200°, 60%, 100%
XYZ	44.8855, 52.7567, 102.4251
YIQ	178.7290, -76.8880, -5.2400

# Conversions

## Conversions Part 2

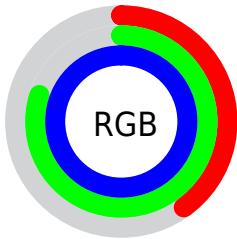
Format	Color
<a href="#">RYB</a>	<a href="#">102, 163, 255</a>
Decimal	<a href="#">6736895</a>
CIELab	<a href="#">77.73, -14.65, -34.36</a>
CIELCh	<a href="#">78, 37.350, 246.912</a>
Yxy	<a href="#">52.7585, 0.2244, 0.2637</a>
Android (android.graphics.Color)	<a href="#">4284926975</a> ( <a href="#">0xFF66CBFF</a> )
YUV	<a href="#">178.7290, 37.6016, -67.2913</a>
Hunter-Lab	<a href="#">72.6338, -16.8016, -32.7646</a>

# Details

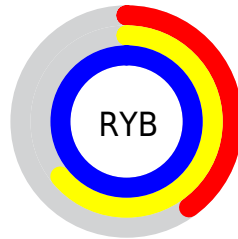
The HunterLab color **72.6338, -16.8016, -32.7646** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **67.3294, 28.5041, 30.9157**, and the grayscale version is **66.9003, -3.5696, 3.6348**.

A 20% lighter version of the original color is **93.0766, -30.3277, -3.4429**, and **50.6959, -14.1080, -31.4915** is the 20% darker color. If you saturate the color by 10%, you get **68.9281, -15.9044, -39.1842**, and if you desaturate by 10%, it is **76.6114, -16.7825, -26.3037**.

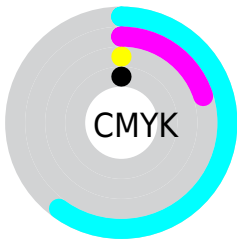
# Distribution



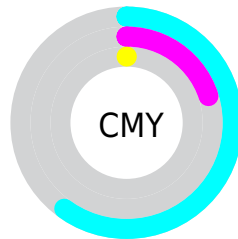
- Red (40%)
- Green (80%)
- Blue (100%)



- Red (40%)
- Yellow (64%)
- Blue (100%)



- Cyan (60%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (20%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 72.6338, -16.8016, -32.7646 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 72.6338, -16.8016, -32.7646 by changing the saturation by 10% instead.



■ 72.6338, -16.8016,  
-32.7646

■ 72.6338, -16.8016,  
-32.7646

199.3384,  
-29.0661, -35.7272

■ 61.3270, -15.4356,  
-32.1897

■ 97.0819, -19.5116,  
-33.7688

■ 50.6756, -14.0540,  
-31.5818

■ 110.1634,  
-20.8634, -34.1963

■ 40.7241, -12.6477,  
-30.9590

■ 123.7847,  
-22.2167, -34.5728

■ 31.5257, -11.2030,  
-30.3638

137.9254,  
-23.5738, -34.8990

■ 23.1481, -9.6980,  
-29.8909

152.5669,  
-24.9361, -35.1761

■ 15.6812, -8.0949,  
-29.7739

167.6927,

■ 9.2520, -7.3923,

-26.3050, -35.4055

-30.7265

183.2878,  
-27.6814, -35.5887

0.0000, NaN, -NF

0.0000, NaN, -NF

■ 72.6338, -16.8016,  
-32.7646

■ 72.6338, -16.8016,  
-32.7646

■ 68.9281, -15.9044,  
-39.1842

■ 76.6114, -16.7825,  
-26.3037

■ 65.5002, -14.0524,  
-45.5229

■ 80.8432, -15.9079,  
-19.8482

■ 62.3527, -11.2507,  
-51.7361

■ 85.3144, -14.2508,  
-13.4277

■ 59.4556, -7.6306,  
-57.8416

■ 90.0085, -11.8876,  
-7.0649

■ 59.4547, -7.6293,

■ 94.9094, -8.8923,

-57.8436

-0.7745

100.0000, -5.3358,  
5.4332

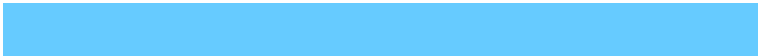
# Harmonies

## Analogous

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



72.6351, -29.2358, -18.4077



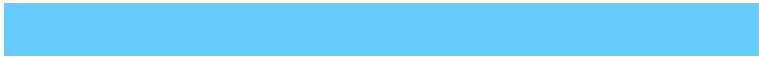
72.6338, -16.8016, -32.7646



72.6351, 0.2793, -36.2926

# Triad

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



72.6351, -16.8018, -32.7625



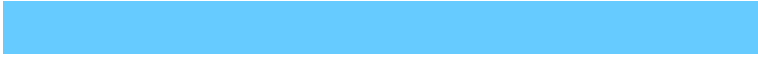
72.6351, 33.2578, 7.7584



72.6351, -23.2870, 25.4408

# Complementary

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



72.6338, -16.8016, -32.7646



67.3294, 28.5041, 30.9157

# 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.



72.6351, -7.9468, 29.3901



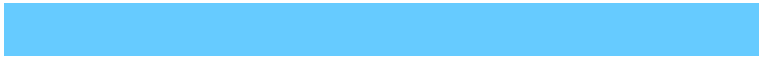
72.6338, -16.8016, -32.7646



72.6351, 25.5164, 20.8947

# Square

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



72.6351, -16.8018, -32.7625



72.6351, 30.3091, -9.9859



72.6351, 10.0145, 27.9532



72.6351, -32.7209, 15.5824



# Rectangle

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



72.6338, -16.8016, -32.7646



72.6351, 12.2458, -31.4217



72.6351, 10.0145, 27.9532



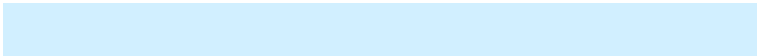
72.6351, -18.7103, 27.3801

# Sweetspot

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



72.6351, -16.8018, -32.7625



90.9711, -11.3377, -5.8027



87.5473, -57.3987, 32.5300



41.4397, -5.6122, -3.5360

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

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



72.6351, -16.8018, -32.7625



68.2189, -15.6104, -40.4621



50.3540, 22.4297, -79.9765



44.0234, -4.0388, -0.2160



43.3109, -6.0426, -41.0907



14.2449, -3.0093, -11.3088



# Inverse Universe

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



59.2253, 67.4620, -18.8881



54.4518, 78.7776, -19.7485



88.6205, -10.4721, 46.0128



42.6489, 2.8556, 0.2033



35.5269, 65.0991, -10.0516

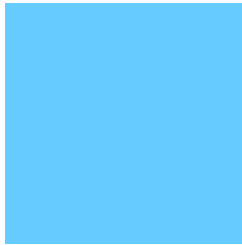


11.1776, 20.6429, -4.4117



# Previews

## White Background



This preview shows how the HunterLab color 72.6338, -16.8016, -32.7646 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

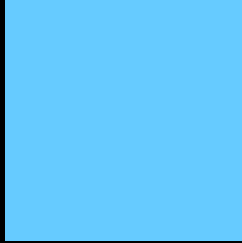
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 72.6338, -16.8016, -32.7646 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

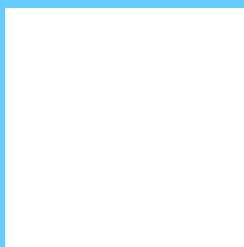
Any Text WCAG AAA ✓ Pass

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

## HunterLab 72.6338, -16.8016, -32.7646 Background



This preview shows how black text looks on a background with the HunterLab color 72.6338, -16.8016, -32.7646.



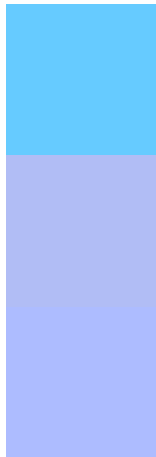
This preview shows how white text looks on a background with the HunterLab color 72.6338, -16.8016, -32.7646.

-16.8016, -32.7646.

# 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

72.6338, -16.8016, -32.7646

### Protanopia

72.3428, 3.7055, -26.1573

### Deuteranopia

72.1600, 5.4844, -33.1734



## Tritanopia

72.5754, -27.9714, -13.9634

# Trichromacy



## Original Color

72.6338, -16.8016, -32.7646

## Protanomaly

72.0466, -4.7595, -29.4424

## Deuteranomaly

71.8074, -3.4785, -33.9294

## Tritanomaly

72.5110, -23.9271, -20.6256

# Monochromacy



## Original Color

72.6338, -16.8016, -32.7646

## Achromatopsia

67.1406, -3.5825, 3.6479

## Achromatomaly

68.5935, -10.7214, -8.9455

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 72.6338, -16.8016, -32.7646 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(102, 203, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 203, 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(102, 203, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 203, 255) }
```

## Border

The CSS property to change the border of an element to HunterLab 72.6338, -16.8016, -32.7646 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(102, 203, 255) }
```



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

```
.border{ border-color:rgb(102, 203, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 203, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 203, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 203, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 203,  
255) }
```

# Background

The CSS property to change the background color of an element to HunterLab 72.6338, -16.8016, -32.7646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 203, 255) }
```

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

```
.background{ background-color: rgb(102,  
203, 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