

# Converting Colors

HunterLab(71.7836, 16.4598,  
40.3902)

Have a look what the booklet for  
HunterLab(71.7836, 16.4598,  
40.3902) contains.

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# Color

**HunterLab(71.7836, 16.4598,  
40.3902)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFAD41
RGB	255, 173, 65
RGB Percent	100%, 68%, 25%
CMY	0.0000, 0.3215, 0.7451
CMYK	0.00, 0.32, 0.75, 0.00
HSL	34°, 100%, 63%
HSV	34°, 75%, 100%
XYZ	57.1378, 51.5289, 11.9357
YIQ	185.2060, 83.5400, -16.2040

# Conversions

## Conversions Part 2

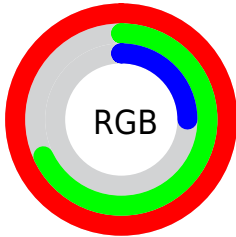
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	209, 255, 65
Decimal	16756033
CIE Lab	77.00, 21.13, 64.62
CIE LCh	77, 67.990, 71.896
Yxy	51.5315, 0.4738, 0.4273
Android (android.graphics.Color)	4294946113 (0xFFFFAD41)
YUV	185.2060, -59.2616, 61.2093
Hunter-Lab	71.7836, 16.4598, 40.3902

# Details

The HunterLab color **71.7836, 16.4598, 40.3902** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **54.0464, 6.6909, -70.3658**, and the grayscale version is **69.9571, -3.7327, 3.8009**.

A 20% lighter version of the original color is **88.3622, -8.5543, 42.5880**, and **50.0122, 15.3755, 31.0865** is the 20% darker color. If you saturate the color by 10%, you get **68.7396, 21.3202, 41.0367**, and if you desaturate by 10%, it is **75.0283, 12.0405, 38.7099**.

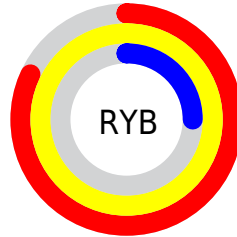
# Distribution



Red (100%)

Green (68%)

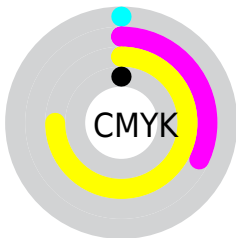
Blue (25%)



Red (82%)

Yellow (100%)

Blue (25%)

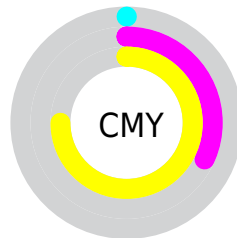


Cyan (0%)

Magenta (32%)

Yellow (75%)

Black (0%)



Cyan (0%)

Magenta (32%)


Yellow (75%)


# Brightness & Saturation Gradients

These gradients show how the HunterLab color 71.7836, 16.4598, 40.3902 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 71.7836, 16.4598, 40.3902 by changing the saturation by 10% instead.





 71.7836, 16.4598,  
40.3902


 71.7836, 16.4598,  
40.3902


198.1477, 17.1601,  
74.3863


 60.5242, 16.0553,  
35.9225


 96.1457, 17.0260,  
48.7758


 49.9224, 15.5662,  
31.2337


 109.1867, 17.2090,  
52.7406


 40.0241, 14.9772,  
26.2999


 122.7693, 17.3311,  
56.5802

 30.8834, 14.2740,  
21.6184

 136.8725, 17.3966,  
60.3108

 22.5690, 13.4384,  
15.7983

 151.4780, 17.4093,  
63.9460

 15.1733, 12.4490,  
10.6213

166.5688, 17.3722,

 8.8030, 11.4145,

67.4973

6.1621

182.1300, 17.2884,  
70.9746

0.0000, INF, NaN

0.0000, NaN, NaN

■ 71.7836, 16.4598,  
40.3902

■ 71.7836, 16.4598,  
40.3902

■ 68.7396, 21.3202,  
41.0367

■ 75.0283, 12.0405,  
38.7099

■ 65.8971, 26.5800,  
40.6969

■ 78.4591, 8.0987,  
36.0010


■ 64.4181, 29.5801,  
40.2120


■ 82.0673, 4.6359,  
32.3030

■ 85.8421, 1.6442,  
27.6721

■ 89.7725, -0.8932,

22.1723

 93.8482, -2.9983,  
15.8701

 98.0594, -4.6963,  
8.8309

99.9999, -5.3360,  
5.4331

# Harmonies

## Analogous

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



71.7854, 48.3634, 33.1790



71.7836, 16.4598, 40.3902



71.7854, -16.1668, 40.9682

# Triad

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



71.7854, 16.4559, 40.3909



71.7854, -54.9665, -9.3372



71.7854, 42.4126, -55.2807

# Complementary

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



71.7836, 16.4598, 40.3902



54.0464, 6.6909, -70.3658

# Split Complementary

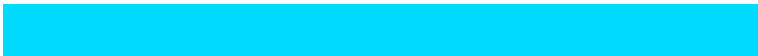
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.7854, 9.3918, -81.0226



71.7836, 16.4598, 40.3902



71.7854, -44.3841, -47.6575

# Square

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



71.7854, 16.4559, 40.3909



71.7854, -53.7513, 19.9186



71.7854, -22.0942, -77.7420



71.7854, 65.0748, -16.9312



# Rectangle

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



71.7836, 16.4598, 40.3902



71.7854, -33.7312, 38.1016



71.7854, -22.0942, -77.7420



71.7854, 31.9318, -66.3230

# Sweetspot

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



71.7854, 16.4559, 40.3909



90.7818, -1.4608, 20.6644



52.1134, 74.6615, 1.8568



41.4953, -0.3914, 10.3135

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

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



71.7854, 16.4559, 40.3909



67.4377, 23.6386, 41.0000



95.3087, -29.2353, 55.1055



44.3859, -1.8030, 5.7535



46.8889, 20.6813, 29.2548

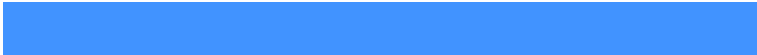


15.3554, 4.9359, 9.5483



# Inverse Universe

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



54.0464, 6.6909, -70.3658



47.3146, 15.2492, -89.1312



35.5061, 53.7708, -135.1603



43.2053, -2.6990, -1.2130



31.4452, 15.8666, -73.5550



10.8390, 2.8040, -19.6009



# Previews

## White Background



This preview shows how the HunterLab color 71.7836, 16.4598, 40.3902 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 71.7836, 16.4598, 40.3902 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 71.7836, 16.4598, 40.3902 Background



This preview shows how black text looks on a background with the HunterLab color 71.7836, 16.4598, 40.3902.



This preview shows how white text looks on a background with the HunterLab color 71.7836, 16.4598,



# 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

71.7836, 16.4598, 40.3902

### Protanopia

72.0069, -9.0640, 39.4406

### Deuteranopia

71.8141, 5.1994, 40.5799



## Tritanopia

71.6274, 30.4847, 10.6707

# Trichromacy



## Original Color

71.7836, 16.4598, 40.3902

## Protanomaly

71.5488, -0.0243, 39.5558

## Deuteranomaly

71.7166, 9.2130, 40.4650

## Tritanomaly

71.4443, 24.0965, 25.1155

# Monochromacy



## Original Color

71.7836, 16.4598, 40.3902

## Achromatopsia

69.6527, -3.7165, 3.7844

## Achromatomaly

69.7657, 0.4908, 21.5824

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 71.7836, 16.4598, 40.3902 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, 173, 65)` looks like.

```
.text, #text, p{  
    color:rgb(255, 173, 65)  
}
```

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, 173, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 173, 65) }
```

## Border

The CSS property to change the border of an element to HunterLab 71.7836, 16.4598, 40.3902 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, 173, 65) }
```



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

```
.border{ border-color:rgb(255, 173, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 173, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 173, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 173, 65);  
box-shadow:4px 4px 4px 4px rgb(255, 173,  
65) }
```

# Background

The CSS property to change the background color of an element to HunterLab 71.7836, 16.4598, 40.3902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 173, 65) }
```

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

```
.background{ background-color: rgb(255,  
173, 65) }
```

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](#).

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