

# Converting Colors

HunterLab(68.8438, 16.1054,  
36.8925)

Have a look what the booklet for  
HunterLab(68.8438, 16.1054,  
36.8925) contains.

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# Color

**HunterLab(68.9723, 15.8915,  
36.9009)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5A74C
RGB	245, 167, 76
RGB Percent	96%, 65%, 30%
CMY	0.0392, 0.3451, 0.7019
CMYK	0.00, 0.32, 0.69, 0.04
HSL	32°, 89%, 63%
HSV	32°, 69%, 96%
XYZ	52.7795, 47.5718, 13.2381
YIQ	179.9480, 75.6990, -11.7650

# Conversions

## Conversions Part 2

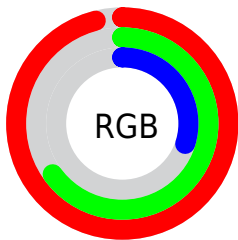
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	221, 245, 76
Decimal	16099148
CIE Lab	74.56, 20.65, 57.05
CIE LCh	75, 60.670, 70.102
Yxy	47.5742, 0.4646, 0.4188
Android (android.graphics.Color)	4294289228 (0xFFFF5A74C)
YUV	179.9480, -51.2464, 57.0506
Hunter-Lab	68.9723, 15.8915, 36.9009

# Details

The HunterLab color **68.9723, 15.8915, 36.9009** 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 **55.8918, 1.2473, -57.1758**, and the grayscale version is **67.7230, -3.6135, 3.6795**.

A 20% lighter version of the original color is **86.6531, -4.7204, 39.1020**, and **47.4404, 14.9323, 28.6073** is the 20% darker color. If you saturate the color by 10%, you get **65.8272, 20.6634, 38.0506**, and if you desaturate by 10%, it is **72.3243, 11.5533, 34.7794**.

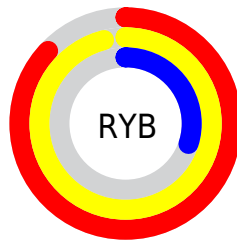
# Distribution



Red (96%)

Green (65%)

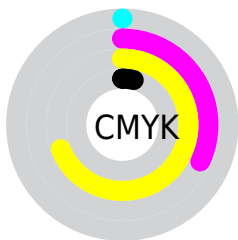
Blue (30%)



Red (87%)

Yellow (96%)

Blue (30%)

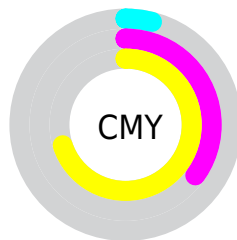


Cyan (0%)

Magenta (32%)

Yellow (69%)

Black (4%)



Cyan (4%)

Magenta (35%)

Yellow (70%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 68.9723, 15.8915, 36.9009 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 68.9723, 15.8915, 36.9009 by changing the saturation by 10% instead.



68.9723, 15.8915,  
36.9009

68.9723, 15.8915,  
36.9009

194.1911, 16.5545,  
67.6327

57.8704, 15.4880,  
32.8656

93.0430, 16.4532,  
44.4648

47.4362, 14.9980,  
28.6195

105.9483, 16.6326,  
48.0413

37.7176, 14.4058,  
24.1299

119.4005, 16.7506,  
51.5072

28.7718, 13.6964,  
19.7757

133.3783, 16.8117,  
54.8777

20.6723, 12.8505,  
14.4706

147.8626, 16.8195,  
58.1657

13.5191, 11.8458,  
9.4634

162.8362, 16.7774,

7.1016, 12.4942,

61.3818

4.9711

178.2838, 16.6882,  
64.5349

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 68.9723, 15.8915,  
36.9009

■ 68.9723, 15.8915,  
36.9009

■ 65.8272, 20.6634,  
38.0506

■ 72.3243, 11.5533,  
34.7794

■ 62.8947, 25.8408,  
38.2301

■ 75.8656, 7.6747,  
31.7186

■ 60.1802, 31.3296,  
37.5604


■ 79.5851, 4.2499,  
27.7743


■ 59.9135, 31.8949,  
37.4768


■ 83.4701, 1.2656,  
23.0109

■ 87.5087, -1.2986,

17.4954

 91.6896, -3.4672,  
11.2936

 96.0024, -5.2663,  
4.4673

 99.0719, -8.5795,  
4.2790

# Harmonies

## Analogous

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



68.9740, 43.2138, 29.5200



68.9723, 15.8915, 36.9009



68.9740, -12.9964, 37.8008

# Triad

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



68.9740, 15.8878, 36.9016



68.9740, -49.6040, -5.9848



68.9740, 35.1022, -48.9212

# Complementary

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



68.9723, 15.8915, 36.9009



55.8918, 1.2473, -57.1758

# 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.



68.9740, 6.1503, -69.3929



68.9723, 15.8915, 36.9009



68.9740, -40.6569, -38.7501

# Square

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



68.9740, 15.8878, 36.9016



68.9740, -47.8598, 19.1879



68.9740, -21.2908, -65.0616



68.9740, 55.4902, -16.3522



# Rectangle

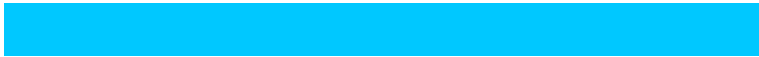
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.9723, 15.8915, 36.9009



68.9740, -28.9736, 35.2569



68.9740, -21.2908, -65.0616



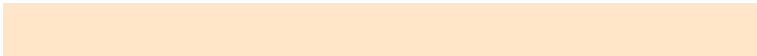
68.9740, 25.8726, -57.9424

# Sweetspot

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



68.9740, 15.8878, 36.9016



90.6926, -0.8393, 19.5630



51.9074, 67.8493, -2.1816



41.4144, -0.0533, 9.8048

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

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



68.9740, 15.8878, 36.9016



67.5724, 23.8515, 40.0203



91.7828, -25.1110, 51.6992



42.3802, -1.5596, 5.3853



44.2928, 22.6994, 27.6904



13.8919, 5.0922, 8.6492



# Inverse Universe

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



55.8918, 1.2473, -57.1758



51.7678, 7.9871, -76.3161



36.7960, 44.8248, -115.7365



41.4573, -2.7500, -1.0209



31.9259, 12.3376, -66.5379



10.4838, 1.6396, -16.6431



# Previews

## White Background



This preview shows how the HunterLab color 68.9723, 15.8915, 36.9009 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 68.9723, 15.8915, 36.9009 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 68.9723, 15.8915, 36.9009 Background



This preview shows how black text looks on a background with the HunterLab color 68.9723, 15.8915, 36.9009.



This preview shows how white text looks on a background with the HunterLab color 68.9723, 15.8915,



# 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

68.9723, 15.8915, 36.9009

### Protanopia

69.0742, -8.3969, 35.7343

### Deuteranopia

69.1465, 5.1739, 37.1432



## Tritanopia

68.9114, 32.2373, 10.7319

# Trichromacy



## Original Color

68.9723, 15.8915, 36.9009

## Protanomaly

68.8951, 0.0270, 36.0875

## Deuteranomaly

69.0472, 9.1595, 36.9910

## Tritanomaly

68.8322, 25.2460, 23.1120

# Monochromacy



## Original Color

68.9723, 15.8915, 36.9009

## Achromatopsia

67.5582, -3.6047, 3.6706

## Achromatomaly

67.4168, 1.4699, 19.0614

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 68.9723, 15.8915, 36.9009 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(245, 167, 76)` looks like.

```
.text, #text, p{  
    color:rgb(245, 167, 76)  
}
```

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(245, 167, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 167, 76) }
```

## Border

The CSS property to change the border of an element to HunterLab 68.9723, 15.8915, 36.9009 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(245, 167, 76) }
```



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

```
.border{ border-color:rgb(245, 167, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 167, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 167, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 167, 76);  
box-shadow:4px 4px 4px 4px rgb(245, 167,  
76) }
```

# Background

The CSS property to change the background color of an element to HunterLab 68.9723, 15.8915, 36.9009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 167, 76) }
```

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

```
.background{ background-color: rgb(245,  
167, 76) }
```

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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