

# Converting Colors

HunterLab(63.4126, 16.9305,  
39.3709)

Have a look what the booklet for  
HunterLab(63.4126, 16.9305,  
39.3709) contains.

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# Color

**HunterLab(63.5961, 16.8423,  
39.4825)**

# Conversions

Conversions Part 1	
Format	Color
Hex	EB9900
RGB	235, 153, 0
RGB Percent	92%, 60%, 0%
CMY	0.0784, 0.4000, 1.0000
CMYK	0.00, 0.35, 1.00, 0.08
HSL	39°, 100%, 46%
HSV	39°, 100%, 92%
XYZ	45.6522, 40.4446, 5.4004
YIQ	160.0760, 97.9850, -30.1990

# Conversions

## Conversions Part 2

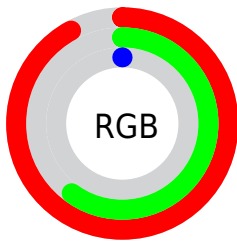
Format	Color
<a href="#">RYB</a>	<a href="#">126, 235, 0</a>
Decimal	<a href="#">15440128</a>
CIELab	<a href="#">69.79, 21.80, 74.42</a>
CIELCh	<a href="#">70, 77.550, 73.670</a>
Yxy	<a href="#">40.4467, 0.4989, 0.4420</a>
Android (android.graphics.Color)	<a href="#">4293630208</a> (0xFFEB9900)
YUV	<a href="#">160.0760, -78.9175, 65.7083</a>
Hunter-Lab	<a href="#">63.5961, 16.8423, 39.4825</a>

# Details

The HunterLab color **63.5961, 16.8423, 39.4825** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark washed orange. A complement of this color would be **34.6894, 31.9830, -112.3996**, and the grayscale version is **59.6072, -3.1805, 3.2386**.

A 20% lighter version of the original color is **81.4908, -0.5433, 45.2300**, and **42.8800, 16.4784, 26.7110** is the 20% darker color. If you saturate the color by 10%, you get **63.5966, 16.8407, 39.4828**, and if you desaturate by 10%, it is **65.7936, 12.9205, 40.0129**.

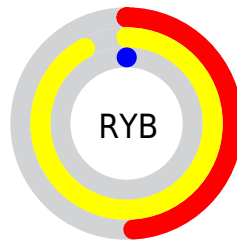
# Distribution



Red (92%)

Green (60%)

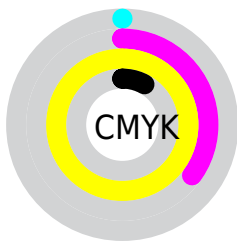
Blue (0%)



Red (49%)

Yellow (92%)

Blue (0%)

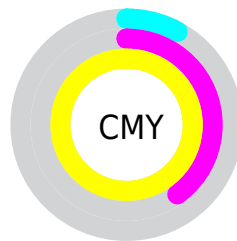


Cyan (0%)

Magenta (35%)

Yellow (100%)

Black (8%)



Cyan (8%)

Magenta (40%)
















Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 63.5961, 16.8423, 39.4825 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 63.5961, 16.8423, 39.4825 by changing the saturation by 10% instead.



 63.5961, 16.8423, 39.4825	 63.5961, 16.8423, 39.4825
 186.5484, 18.1537, 78.8681	 52.8082, 16.3444, 34.2468
 87.0881, 17.5746, 49.2992	 42.7089, 15.7524, 28.7881
 99.7241, 17.8321, 53.9224	 33.3509, 15.0492, 23.3456
 112.9183, 18.0242, 58.3847	 24.7982, 14.2178, 17.3587
 126.6479, 18.1559, 62.7050	 17.1353, 13.2379, 11.9947
 140.8929, 18.2312, 66.9001	 10.4810, 12.0925, 7.3367
 155.6352, 18.2540,	0.0000, INF, NaN

70.9843

0.0000, NaN, NaN

170.8586, 18.2272,  
74.9701

0.0000, NaN, NaN

63.5961, 16.8423,  
39.4825

63.5961, 16.8423,  
39.4825

63.5966, 16.8407,  
39.4828

65.7936, 12.9205,  
40.0129

68.1136, 9.3103,  
39.7922

70.5655, 6.0861,  
38.6486

73.1480, 3.2758,  
36.5450

75.8580, 0.8911,  
33.4813

■ 78.6910, -1.0676,  
29.4803

■ 81.6420, -2.6077,  
24.5791

■ 84.7055, -3.7422,  
18.8232

■ 87.8760, -4.4878,  
12.2624

# Harmonies

## Analogous

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



63.5977, 53.5340, 33.8583



63.5961, 16.8423, 39.4825



63.5977, -18.6587, 39.6722

# Triad

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



63.5977, 16.8386, 39.4831



63.5977, -56.8319, -13.7697



63.5977, 50.5961, -63.2055

# Complementary

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



63.5961, 16.8423, 39.4825



34.6894, 31.9830, -112.3996

# 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.



63.5977, 13.4555, -96.6861



63.5961, 16.8423, 39.4825



63.5977, -45.4292, -59.2234

# Square

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



63.5977, 16.8386, 39.4831



63.5977, -56.3132, 19.0742



63.5977, -21.3811, -94.9258



63.5977, 75.7439, -17.5042



# Rectangle

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



63.5961, 16.8423, 39.4825



63.5977, -36.8278, 37.1666



63.5977, -21.3811, -94.9258



63.5977, 38.7867, -77.1477

# Sweetspot

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



63.5977, 16.8386, 39.4831



89.5268, -2.8407, 27.0476



42.7498, 74.6428, 16.5063



40.7781, -1.0075, 13.6188

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

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



63.5977, 16.8386, 39.4831



69.6716, 18.6800, 43.2583



84.6530, -35.4142, 51.5426



40.8545, -2.0959, 5.5187



47.7051, 12.0492, 29.6066



14.0215, 2.1245, 8.6772



# Inverse Universe

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



34.6894, 31.9830, -112.3996



37.8955, 35.5216, -124.0471



25.2196, 66.9694, -168.0641



39.2537, -2.0253, -1.4073



26.2915, 22.7836, -82.0454



8.4693, 3.7872, -18.7612



# Previews

## White Background



This preview shows how the HunterLab color 63.5961, 16.8423, 39.4825 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

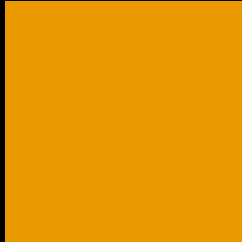
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 63.5961, 16.8423, 39.4825 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 63.5961, 16.8423, 39.4825 Background



This preview shows how black text looks on a background with the HunterLab color 63.5961, 16.8423, 39.4825.



This preview shows how white text looks on a background with the HunterLab color 63.5961, 16.8423,



# 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

63.5961, 16.8423, 39.4825

### Protanopia

63.6401, -8.5766, 38.6079

### Deuteranopia



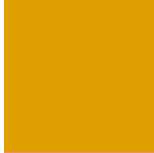

63.5921, 4.4703, 39.2634





## Tritanopia

63.5190, 34.1235, 11.6070

# Trichromacy

	<b>Original Color</b> 63.5961, 16.8423, 39.4825
	<b>Protanomaly</b> 63.2319, 0.4063, 38.7011
	<b>Deuteranomaly</b> 63.6272, 8.8065, 39.3610
	<b>Tritanomaly</b> 63.0647, 25.5911, 28.6758

# Monochromacy

	<b>Original Color</b> 63.5961, 16.8423, 39.4825
	<b>Achromatopsia</b> 59.2902, -3.1636, 3.2213
	<b>Achromatomaly</b> 59.6976, 0.0284, 24.3013

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 63.5961, 16.8423, 39.4825 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(235, 153, 0)` looks like.

```
.text, #text, p{  
    color:rgb(235, 153, 0)  
}
```

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(235, 153, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 153, 0) }
```

## Border

The CSS property to change the border of an element to HunterLab 63.5961, 16.8423, 39.4825 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(235, 153, 0) }
```



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

```
.border{ border-color:rgb(235, 153, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 153, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 153, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 153, 0);  
box-shadow:4px 4px 4px 4px rgb(235, 153,  
0) }
```

# Background

The CSS property to change the background color of an element to HunterLab 63.5961, 16.8423, 39.4825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 153, 0) }
```

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

```
.background{ background-color: rgb(235,  
153, 0) }
```

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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