

# Converting Colors

HunterLab(63.2211, 20.3861,  
39.3135)

Have a look what the booklet for  
HunterLab(63.2211, 20.3861,  
39.3135) contains.

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# Color

**HunterLab(63.1234, 20.5856,  
39.2567)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EF9500
RGB	239, 149, 0
RGB Percent	94%, 58%, 0%
CMY	0.0627, 0.4157, 0.9999
CMYK	0.00, 0.38, 1.00, 0.06
HSL	37°, 100%, 47%
HSV	37°, 100%, 94%
XYZ	46.3441, 39.8456, 5.2484
YIQ	158.9240, 101.4690, -27.2590

# Conversions

## Conversions Part 2

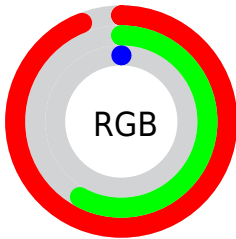
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	144, 239, 0
Decimal	15701248
CIE Lab	69.36, 25.61, 74.38
CIE LCh	69, 78.668, 71.004
Yxy	39.8477, 0.5068, 0.4358
Android (android.graphics.Color)	4293891328 (0xFFEF9500)
YUV	158.9240, -78.3495, 70.2267
Hunter-Lab	63.1234, 20.5856, 39.2567

# Details

The HunterLab color **63.1234, 20.5856, 39.2567** 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 **36.8041, 28.8911, -108.3681**, and the grayscale version is **59.1330, -3.1552, 3.2128**.

A 20% lighter version of the original color is **80.3080, 1.4922, 44.4635**, and **42.3857, 19.6204, 26.4614** is the 20% darker color. If you saturate the color by 10%, you get **63.1237, 20.5843, 39.2569**, and if you desaturate by 10%, it is **65.4769, 16.2390, 39.8526**.

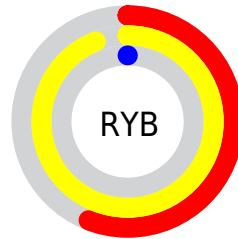
# Distribution



Red (94%)

Green (58%)

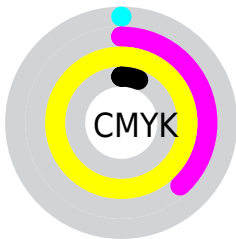
Blue (0%)



Red (56%)

Yellow (94%)

Blue (0%)

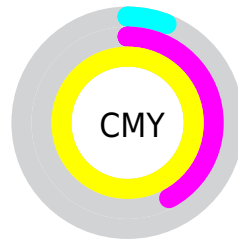


Cyan (0%)

Magenta (38%)

Yellow (100%)

Black (6%)



Cyan (6%)

Magenta (42%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 63.1234, 20.5856, 39.2567 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 63.1234, 20.5856, 39.2567 by changing the saturation by 10% instead.



63.1234, 20.5856,  
39.2567

63.1234, 20.5856,  
39.2567

185.8713, 23.2205,  
78.6783

52.3639, 19.9134,  
34.0133

86.5630, 21.6465,  
49.0864

42.2951, 19.1402,  
28.5559

99.1748, 22.0597,  
53.7148

32.9699, 18.2485,  
23.0790

112.3457, 22.4023,  
58.1815

24.4532, 17.2226,  
17.1172

126.0529, 22.6797,  
62.5055

16.8306, 16.0465,  
11.7814

140.2764, 22.8965,  
66.7038

10.2226, 14.7204,  
7.1558

154.9979, 23.0567,

0.0000, INF, NaN

70.7906

0.0000, NaN, NaN

170.2011, 23.1637,  
74.7785

0.0000, NaN, NaN

63.1234, 20.5856,  
39.2567

63.1234, 20.5856,  
39.2567

63.1237, 20.5843,  
39.2569

65.4769, 16.2390,  
39.8526

67.9722, 12.2101,  
39.6763

70.6172, 8.5771,  
38.5577

73.4087, 5.3697,  
36.4653

76.3420, 2.5998,  
33.4067

■ 79.4108, 0.2666,  
29.4122

■ 82.6086, -1.6390,  
24.5258

■ 85.9285, -3.1320,  
18.7991

■ 89.3638, -4.2313,  
12.2866

# Harmonies

## Analogous

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



63.1250, 57.2857, 33.0326



63.1234, 20.5856, 39.2567



63.1250, -15.9557, 39.8118

# Triad

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



63.1250, 20.5818, 39.2573



63.1250, -57.6415, -10.3528



63.1250, 48.3183, -68.4486

# Complementary

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



63.1234, 20.5856, 39.2567



36.8041, 28.8911, -108.3681

# 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.



63.1250, 10.2827, -100.2549



63.1234, 20.5856, 39.2567



63.1250, -47.2987, -56.2336

# Square

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



63.1250, 20.5818, 39.2573



63.1250, -56.0792, 21.2210



63.1250, -24.2124, -94.8434



63.1250, 75.5991, -21.7510



# Rectangle

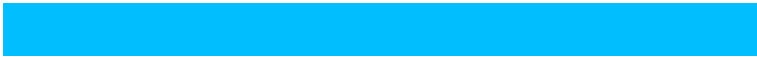
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.1234, 20.5856, 39.2567



63.1250, -35.0021, 37.7048



63.1250, -24.2124, -94.8434



63.1250, 36.0529, -82.1578

# Sweetspot

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



63.1250, 20.5818, 39.2573



88.8776, -1.7439, 26.4618



43.7231, 76.6275, 14.6696



40.4378, -0.4299, 13.3225

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

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



63.1250, 20.5818, 39.2573



67.8590, 22.3291, 42.2053



86.9476, -33.5710, 52.9887



41.7141, -1.9928, 5.5575



47.2022, 14.7391, 29.3438



14.2977, 2.9043, 8.8610



# Inverse Universe

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



36.8041, 28.8911, -108.3681



39.4840, 31.4230, -117.1848



25.4512, 68.0681, -173.3584



40.2543, -2.2232, -1.3364



27.7795, 20.4379, -78.8416



9.0964, 3.4441, -18.8045



# Previews

## White Background



This preview shows how the HunterLab color 63.1234, 20.5856, 39.2567 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 63.1234, 20.5856, 39.2567 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 63.1234, 20.5856, 39.2567 Background



This preview shows how black text looks on a background with the HunterLab color 63.1234, 20.5856, 39.2567.



This preview shows how white text looks on a background with the HunterLab color 63.1234, 20.5856, 39.2567.



# 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

63.1234, 20.5856, 39.2567

### Protanopia

63.2427, -8.4618, 38.3245

### Deuteranopia

63.1956, 4.5630, 39.0207



## Tritanopia

63.2832, 36.8130, 12.9997

# Trichromacy



## Original Color

63.1234, 20.5856, 39.2567

## Protanomaly

62.7855, 1.7855, 38.4204

## Deuteranomaly

63.2149, 10.2211, 39.1317

## Tritanomaly

62.8696, 28.6742, 29.0319

# Monochromacy



## Original Color

63.1234, 20.5856, 39.2567

## Achromatopsia

58.8816, -3.1418, 3.1991

## Achromatomaly

59.2230, 1.2762, 24.1894

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 63.1234, 20.5856, 39.2567 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(239, 149, 0)` looks like.

```
.text, #text, p{  
    color:rgb(239, 149, 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(239, 149, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 149, 0) }
```

## Border

The CSS property to change the border of an element to HunterLab 63.1234, 20.5856, 39.2567 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(239, 149, 0) }
```



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

```
.border{ border-color:rgb(239, 149, 0) }
```

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

Here you see how a box with a 4 pixel rgb(239, 149, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 149, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 149, 0);  
box-shadow:4px 4px 4px 4px rgb(239, 149,  
0) }
```

# Background

The CSS property to change the background color of an element to HunterLab 63.1234, 20.5856, 39.2567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 149, 0) }
```

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

```
.background{ background-color: rgb(239,  
149, 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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