

# Converting Colors

HunterLab(63.3350, 31.9609,  
39.5841)

Have a look what the booklet for  
HunterLab(63.3350, 31.9609,  
39.5841) contains.

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# Color

**HunterLab(63.2583, 32.1301,  
39.5420)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF8C00
RGB	255, 140, 0
RGB Percent	100%, 55%, 0%
CMY	0.0000, 0.4509, 1.0000
CMYK	0.00, 0.45, 1.00, 0.00
HSL	33°, 100%, 50%
HSV	33°, 100%, 100%
XYZ	50.6180, 40.0161, 5.0560
YIQ	158.4250, 113.4800, -19.1600

# Conversions

## Conversions Part 2

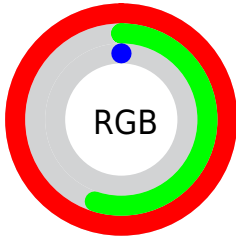
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	209, 255, 0
Decimal	16747520
CIE <sub>Lab</sub>	69.48, 36.83, 75.49
CIE <sub>LCh</sub>	69, 83.997, 63.997
Yxy	40.0183, 0.5290, 0.4182
Android (android.graphics.Color)	4294937600 (0xFFFF8C00)
YUV	158.4250, -78.1035, 84.6963
Hunter-Lab	63.2583, 32.1301, 39.5420

# Details

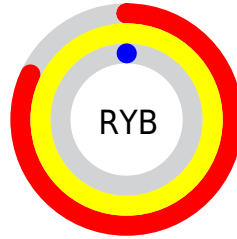
The HunterLab color **63.2583, 32.1301, 39.5420** is a dark color, and the websafe version is hex **FF9900**, and the color name is **darkorange**. The color can be described as dark saturated orange. A complement of this color would be **44.1381, 20.5485, -99.5264**, and the grayscale version is **58.9246, -3.1441, 3.2015**.

A 20% lighter version of the original color is **77.6863, 6.0512, 42.8955**, and **42.4921, 30.5556, 26.7184** is the 20% darker color. If you saturate the color by 10%, you get **63.2589, 32.1280, 39.5423**, and if you desaturate by 10%, it is **66.0523, 26.4713, 40.3129**.

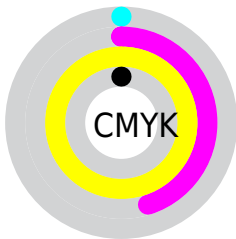
# Distribution



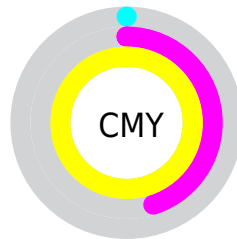
- Red (100%)
- Green (55%)
- Blue (0%)



- Red (82%)
- Yellow (100%)
- Blue (0%)



- Cyan (0%)
- Magenta (45%)
- Yellow (100%)
- Black (0%)




- Cyan (0%)
- Magenta (45%)
- Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the HunterLab color 63.2583, 32.1301, 39.5420 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 63.2583, 32.1301, 39.5420 by changing the saturation by 10% instead.





 63.2583, 32.1301,  
39.5420


 63.2583, 32.1301,  
39.5420


186.0647, 38.4515,  
79.4737

 52.4908, 30.9885,  
34.2346


 86.7129, 34.0901,  
49.4982


 42.4132, 29.7353,  
28.7295


 99.3316, 34.9341,  
54.1873


 33.0786, 28.3567,  
23.1550


 112.5092, 35.6956,  
58.7126

 24.5516, 26.8480,  
17.1861

 126.2229, 36.3806,  
63.0934

 16.9175, 25.2227,  
11.8422

 140.4525, 36.9943,  
67.3462

 10.2962, 23.5698,  
7.2073

 155.1799, 37.5414,

0.0000, INF, NaN

71.4858

0.0000, NaN, NaN

170.3889, 38.0259,  
75.5247

0.0000, NaN, NaN

63.2583, 32.1301,  
39.5420

63.2583, 32.1301,  
39.5420

63.2589, 32.1280,  
39.5423

66.0523, 26.4713,  
40.3129

69.0621, 21.1300,  
40.2359

72.2889, 16.2076,  
39.1434

75.7230, 11.7467,  
37.0214

79.3524, 7.7644,  
33.8998

■ 83.1646, 4.2595,  
29.8319

■ 87.1473, 1.2194,  
24.8826

■ 91.2883, -1.3763,  
19.1208

■ 95.5765, -3.5526,  
12.6150

# Harmonies

## Analogous

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



63.2600, 69.7025, 31.3655



63.2583, 32.1301, 39.5420



63.2600, -8.4138, 41.0018

# Triad

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



63.2600, 32.1257, 39.5427



63.2600, -61.2119, -1.6190



63.2600, 43.1169, -86.1077

# Complementary

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



63.2583, 32.1301, 39.5420



44.1381, 20.5485, -99.5264

# 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.



63.2600, 1.8188, -113.3179



63.2583, 32.1301, 39.5420



63.2600, -53.4566, -49.3617

# Square

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



63.2600, 32.1257, 39.5427



63.2600, -56.7558, 27.0442



63.2600, -32.4505, -96.9469



63.2600, 77.0320, -35.4557



# Rectangle

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



63.2583, 32.1301, 39.5420



63.2600, -30.5478, 39.7843



63.2600, -32.4505, -96.9469



63.2600, 29.3253, -99.3237

# Sweetspot

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



63.2600, 32.1257, 39.5427



87.1461, 1.2205, 24.8849



47.5311, 84.1996, 8.9901



39.5317, 1.1321, 12.5259

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

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



63.2600, 32.1257, 39.5427



63.2592, 32.1281, 39.5425



95.5001, -28.9210, 58.3402



44.3175, -1.6883, 5.6800



46.0571, 22.4943, 28.7740



15.1121, 5.4360, 9.4072



# Inverse Universe

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



44.1381, 20.5485, -99.5264



44.1368, 20.5515, -99.5321



26.9723, 72.9560, -190.0654



43.2744, -2.8131, -1.1281



32.3538, 13.8844, -70.4119



11.1077, 2.2810, -18.8076



# Previews

## White Background



This preview shows how the HunterLab color 63.2583, 32.1301, 39.5420 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 63.2583, 32.1301, 39.5420 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 63.2583, 32.1301, 39.5420 Background



This preview shows how black text looks on a background with the HunterLab color 63.2583, 32.1301, 39.5420.



This preview shows how white text looks on a background with the HunterLab color 63.2583, 32.1301,



# 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

63.2583, 32.1301, 39.5420

### Protanopia

63.5503, -8.8703, 38.3422

### Deuteranopia

63.1956, 4.5630, 39.0207



## Tritanopia

63.2361, 43.2052, 15.7279

# Trichromacy



## Original Color

63.2583, 32.1301, 39.5420

## Protanomaly

62.9426, 5.1808, 38.5170

## Deuteranomaly

62.9329, 14.7362, 39.0369

## Tritanomaly

62.9337, 37.0415, 30.3151

# Monochromacy



## Original Color

63.2583, 32.1301, 39.5420

## Achromatopsia

58.4734, -3.1200, 3.1770

## Achromatomaly

58.6603, 5.0888, 23.7912

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 63.2583, 32.1301, 39.5420 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, 140, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 140, 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(255, 140, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 140, 0) }
```

## Border

The CSS property to change the border of an element to HunterLab 63.2583, 32.1301, 39.5420 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, 140, 0) }
```



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

```
.border{ border-color:rgb(255, 140, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 140, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 140, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 140, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 140,  
0) }
```

# Background

The CSS property to change the background color of an element to HunterLab 63.2583, 32.1301, 39.5420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 140, 0) }
```

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

```
.background{ background-color: rgb(255,  
140, 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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