

Converting Colors

HunterLab(68.1923, 23.9735,
37.3991)

Have a look what the booklet for
HunterLab(68.1923, 23.9735,
37.3991) contains.

HunterLab(68.1898, 23.9699, 37.3998)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**HunterLab(68.1898, 23.9699,
37.3998)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9F46
RGB	255, 159, 70
RGB Percent	100%, 62%, 27%
CMY	0.0000, 0.3764, 0.7255
CMYK	0.00, 0.38, 0.73, 0.00
HSL	29°, 100%, 64%
HSV	29°, 73%, 100%
XYZ	54.7436, 46.4985, 11.8841
YIQ	177.5580, 85.7850, -7.3270

Conversions

Conversions Part 2

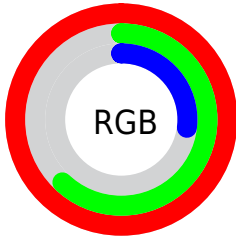
Format	Color
R_{YB}	255, 242, 70
Decimal	16752454
CIE _{Lab}	73.87, 28.64, 59.37
CIE _{LCh}	74, 65.914, 64.243
Yxy	46.5009, 0.4839, 0.4110
Android (android.graphics.Color)	4294942534 (0xFFFF9F46)
YUV	177.5580, -53.0261, 67.9166
Hunter-Lab	68.1898, 23.9699, 37.3998

Details

The HunterLab color **68.1898, 23.9699, 37.3998** 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 **59.8268, -2.6246, -56.9391**, and the grayscale version is **66.7294, -3.5605, 3.6255**.

A 20% lighter version of the original color is **84.1327, -1.1320, 38.6167**, and **46.7729, 22.3727, 28.8116** is the 20% darker color. If you saturate the color by 10%, you get **64.7567, 29.8697, 38.1983**, and if you desaturate by 10%, it is **71.8967, 18.4925, 35.5990**.

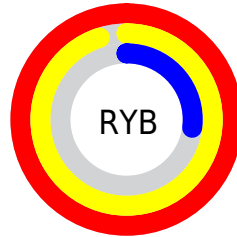
Distribution



Red (100%)

Green (62%)

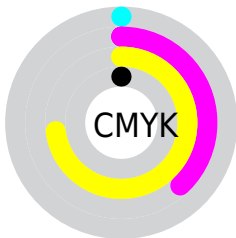
Blue (27%)



Red (100%)

Yellow (95%)

Blue (27%)

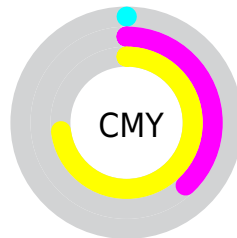


Cyan (0%)

Magenta (38%)

Yellow (73%)

Black (0%)



Cyan (0%)


Magenta (38%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the HunterLab color 68.1898, 23.9699, 37.3998 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 68.1898, 23.9699, 37.3998 by changing the saturation by 10% instead.


 68.1898, 23.9699,
37.3998


 68.1898, 23.9699,
37.3998


193.0852, 27.3521,
69.2652


 57.1325, 23.2110,
33.2019


 92.1782, 25.2035,
45.2627


 46.7459, 22.3522,
28.7847


 105.0450, 25.7021,
48.9766


 37.0783, 21.3773,
24.1188


 118.4604, 26.1292,
52.5727

 28.1880, 20.2725,
19.7316

 132.4027, 26.4899,
56.0671

 20.1499, 19.0246,
14.1049

 146.8529, 26.7889,
59.4732

 13.0663, 17.6332,
9.1464

161.7935, 27.0300,

 6.5450, 19.5024,

62.8022

4.5815

177.2090, 27.2167,
66.0635

0.0000, INF, NaN

0.0000, NaN, NaN

■ 68.1898, 23.9699,
37.3998

■ 68.1898, 23.9699,
37.3998

■ 64.7567, 29.8697,
38.1983

■ 71.8967, 18.4925,
35.5990

■ 61.6096, 36.1272,
38.0030

■ 75.8521, 13.4872,
32.8358


■ 59.4538, 40.9191,
37.3515


■ 80.0379, 8.9599,
29.1790

■ 84.4347, 4.9022,
24.7067

■ 89.0246, 1.2942,

19.4978

 93.7912, -1.8910,
13.6281

 98.7196, -4.6833,
7.1665

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.



68.1916, 52.3679, 28.3616



68.1898, 23.9699, 37.3998



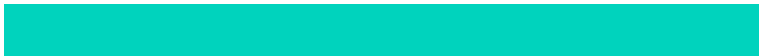
68.1916, -7.9574, 39.3314

Triad

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



68.1916, 23.9659, 37.4006



68.1916, -53.1097, -0.5775



68.1916, 32.8742, -60.9759

Complementary

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



68.1898, 23.9699, 37.3998



59.8268, -2.6246, -56.9391

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.



68.1916, 0.7831, -79.4439



68.1898, 23.9699, 37.3998



68.1916, -45.9178, -36.0729

Square

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



68.1916, 23.9659, 37.4006



68.1916, -49.0978, 23.8902



68.1916, -27.4550, -68.7490



68.1916, 58.1167, -25.4923

Rectangle

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



68.1898, 23.9699, 37.3998



68.1916, -26.2375, 37.6373



68.1916, -27.4550, -68.7490



68.1916, 22.3419, -69.9526

Sweetspot

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



68.1916, 23.9659, 37.4006



89.2816, 1.1090, 19.1927



53.3784, 75.6636, -7.2954



40.7203, 0.9429, 9.5691

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136

Same Dimension

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



68.1916, 23.9659, 37.4006



63.3193, 32.6184, 38.2305



94.5252, -21.5820, 54.2334



44.0786, -1.2866, 5.4228



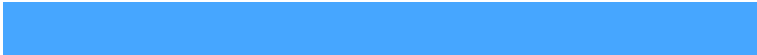
43.3191, 28.7601, 27.1965



14.2986, 7.1800, 8.9364

Inverse Universe

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



59.8268, -2.6246, -56.9391



53.6737, 3.5573, -71.3715



37.0329, 46.8822, -127.8266



43.5168, -3.2119, -0.8312



35.6948, 7.1233, -59.9925



12.0807, 0.4958, -16.1701

Previews

White Background



This preview shows how the HunterLab color 68.1898, 23.9699, 37.3998 looks on a white background.

Color Contrast Check

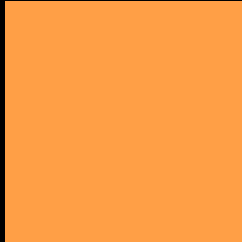
Large Text (above 18pt) WCAG AA × Fail

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 68.1898, 23.9699, 37.3998 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 68.1898, 23.9699, 37.3998 Background



This preview shows how black text looks on a background with the HunterLab color 68.1898, 23.9699, 37.3998.



This preview shows how white text looks on a background with the HunterLab color 68.1898, 23.9699, 37.3998.

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

68.1898, 23.9699, 37.3998

Protanopia

68.2263, -8.4008, 35.7921

Deuteranopia

68.2725, 4.9887, 37.6804



Tritanopia

68.0626, 35.5965, 12.7863

Trichromacy



Original Color

68.1898, 23.9699, 37.3998

Protanomaly

67.9255, 2.5146, 36.2444

Deuteranomaly

68.1286, 11.6222, 37.5627

Tritanomaly

68.0350, 30.2867, 24.3538

Monochromacy



Original Color

68.1898, 23.9699, 37.3998

Achromatopsia

66.7234, -3.5602, 3.6252

Achromatomaly

66.4166, 3.8431, 19.1878

CSS Examples

Text

The CSS property to change the color of the text to HunterLab 68.1898, 23.9699, 37.3998 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, 159, 70)` looks like.

```
.text, #text, p{  
    color:rgb(255, 159, 70)  
}
```

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, 159, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 159, 70) }
```

Border

The CSS property to change the border of an element to HunterLab 68.1898, 23.9699, 37.3998 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, 159, 70) }
```


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

```
.border{ border-color:rgb(255, 159, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 159, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 159, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 159, 70);  
box-shadow:4px 4px 4px 4px rgb(255, 159,  
70) }
```

Background

The CSS property to change the background color of an element to HunterLab 68.1898, 23.9699, 37.3998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 159, 70) }
```

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

```
.background{ background-color: rgb(255,  
159, 70) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor