

# Converting Colors

HunterLab(54.6927, 52.9919,  
34.6353)

Have a look what the booklet for  
HunterLab(54.6927, 52.9919,  
34.6353) contains.

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# Color

**HunterLab(54.7680, 52.8006,  
34.6722)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF6200
RGB	255, 98, 0
RGB Percent	100%, 38%, 0%
CMY	0.0000, 0.6156, 1.0000
CMYK	0.00, 0.62, 1.00, 0.00
HSL	23°, 100%, 50%
HSV	23°, 100%, 100%
XYZ	45.6077, 29.9953, 3.3858
YIQ	133.7710, 125.0300, 2.8060

# Conversions

## Conversions Part 2

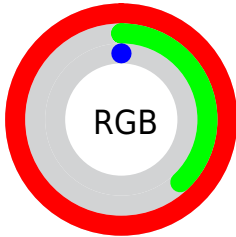
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 159, 0
Decimal	16736768
CIE <sub>Lab</sub>	61.65, 56.74, 70.99
CIE <sub>LCh</sub>	62, 90.877, 51.364
Yxy	29.9971, 0.5774, 0.3797
Android (android.graphics.Color)	4294926848 (0xFFFF6200)
YUV	133.7710, -65.9491, 106.3178
Hunter-Lab	54.7680, 52.8006, 34.6722

# Details

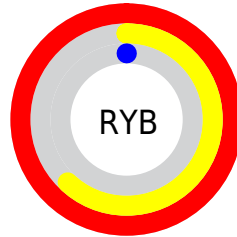
The HunterLab color **54.7680, 52.8006, 34.6722** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **55.9747, -1.9503, -65.7531**, and the grayscale version is **48.9551, -2.6121, 2.6598**.

A 20% lighter version of the original color is **66.9243, 26.4816, 36.8570**, and **35.1232, 49.0451, 22.5014** is the 20% darker color. If you saturate the color by 10%, you get **54.7691, 52.7968, 34.6728**, and if you desaturate by 10%, it is **57.7073, 45.6457, 35.3836**.

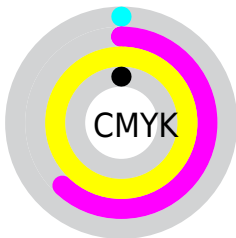
# Distribution



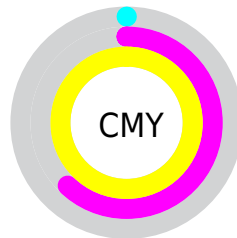
- Red (100%)
- Green (38%)
- Blue (0%)



- Red (100%)
- Yellow (62%)
- Blue (0%)



- Cyan (0%)
- Magenta (62%)
- Yellow (100%)
- Black (0%)




- Cyan (0%)
- Magenta (62%)
- Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the HunterLab color 54.7680, 52.8006, 34.6722 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 54.7680, 52.8006, 34.6722 by changing the saturation by 10% instead.




 54.7680, 52.8006,  
34.6722


 54.7680, 52.8006,  
34.6722


173.7501, 65.7523,  
73.4634


 44.5380, 50.8701,  
29.4525


 77.2383, 56.3340,  
44.4195


 35.0373, 48.8527,  
24.4284


 89.4014, 57.9481,  
48.9890


 26.3288, 46.7816,  
18.4301


 102.1434, 59.4643,  
53.3874

 18.4923, 44.7645,  
12.9446

 115.4391, 60.8878,  
57.6360

 11.6385, 43.1338,  
8.1469

 129.2663, 62.2236,  
61.7531


 4.2761, 66.8970,  
2.9933

 143.6054, 63.4766,


0.0000, INF, NaN


65.7547


0.0000, NaN, NaN


 158.4386, 64.6515,  
69.6542


0.0000, NaN, NaN


 54.7680, 52.8006,  
34.6722


 54.7680, 52.8006,  
34.6722


 54.7691, 52.7968,  
34.6728

 57.7073, 45.6457,  
35.3836

 61.0796, 38.4758,  
35.2699

 64.8632, 31.5268,  
34.1860

 69.0228, 24.9351,  
32.1693

 73.5219, 18.7751,  
29.3014

78.3258, 13.0768,  
25.6789

83.4024, 7.8400,  
21.3982

88.7232, 3.0457,  
16.5472

94.2632, -1.3352,  
11.2032

# Harmonies

## Analogous

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



54.7696, 86.8869, 23.2593



54.7680, 52.8006, 34.6722



54.7696, 8.9089, 37.0806

# Triad

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



54.7696, 52.7956, 34.6729



54.7696, -59.4657, 12.7277



54.7696, 27.4649, -115.3887

# Complementary

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



54.7680, 52.8006, 34.6722



55.9747, -1.9503, -65.7531

# 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.



54.7696, -13.8329, -126.6589



54.7680, 52.8006, 34.6722



54.7696, -57.0915, -30.2687

# Square

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



54.7696, 52.7956, 34.6729



54.7696, -50.3950, 31.5750



54.7696, -42.6239, -88.3509



54.7696, 69.6226, -63.7165



# Rectangle

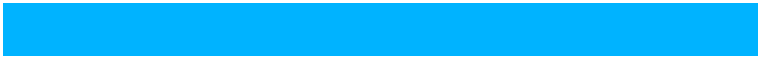
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



54.7680, 52.8006, 34.6722



54.7696, -17.0557, 37.0151



54.7696, -42.6239, -88.3509



54.7696, 12.8010, -125.0019

# Sweetspot

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



54.7696, 52.7956, 34.6729



83.4018, 7.8409, 21.3990



48.6855, 88.3926, -7.4360



37.5807, 4.6235, 10.7696

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

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



54.7696, 52.7956, 34.6729



54.7693, 52.7970, 34.6729



86.7441, -11.3950, 53.2517



43.7396, -0.7131, 5.0557



39.9257, 37.2714, 25.2545

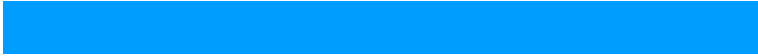


13.2506, 9.6164, 8.3333

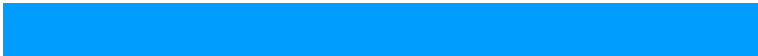


# Inverse Universe

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



55.9747, -1.9503, -65.7531



55.9744, -1.9495, -65.7547



28.5239, 65.9047, -177.9211



43.8635, -3.7788, -0.4094



40.8281, -2.0225, -46.6656



13.5451, -1.9336, -12.7561



# Previews

## White Background



This preview shows how the HunterLab color 54.7680, 52.8006, 34.6722 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

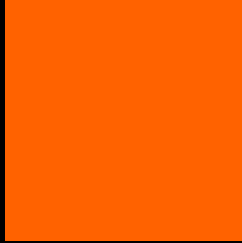
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 54.7680, 52.8006, 34.6722 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 54.7680, 52.8006, 34.6722 Background



This preview shows how black text looks on a background with the HunterLab color 54.7680, 52.8006, 34.6722.



This preview shows how white text looks on a background with the HunterLab color 54.7680, 52.8006,



# 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

54.7680, 52.8006, 34.6722

### Protanopia

54.9615, -7.7463, 32.7393

### Tritanopia

54.7454, 58.6119, 22.2454

# Trichromacy



## Original Color

54.7680, 52.8006, 34.6722

## Protanomaly

53.4316, 13.4954, 32.6166

## Tritanomaly

54.5822, 55.5742, 29.6557

# Monochromacy



## Original Color

54.7680, 52.8006, 34.6722

## Achromatopsia

48.8260, -2.6052, 2.6528

## Achromatomaly

48.7807, 12.8371, 19.8373

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 54.7680, 52.8006, 34.6722 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, 98, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 98, 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, 98, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 98, 0) }
```

## Border

The CSS property to change the border of an element to HunterLab 54.7680, 52.8006, 34.6722 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, 98, 0) }
```

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

```
.border{ border-color:rgb(255, 98, 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, 98, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 98, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 98, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 98, 0)  
}
```



# Background

The CSS property to change the background color of an element to HunterLab 54.7680, 52.8006, 34.6722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 98, 0) }
```

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

```
.background{ background-color: rgb(255, 98,  
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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