

# Converting Colors

HunterLab(31.8979, 35.5544,  
20.2777)

Have a look what the booklet for  
HunterLab(31.8979, 35.5544,  
20.2777) contains.

<b>HunterLab(31.8656, 35.4752, 20.2565)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**HunterLab(31.8656, 35.4752,  
20.2565)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A33300
RGB	163, 51, 0
RGB Percent	64%, 20%, 0%
CMY	0.3608, 0.8000, 1.0000
CMYK	0.00, 0.69, 1.00, 0.36
HSL	19°, 100%, 32%
HSV	19°, 100%, 64%
XYZ	16.2881, 10.1542, 1.1015
YIQ	78.6740, 83.1230, 7.8830

# Conversions

## Conversions Part 2

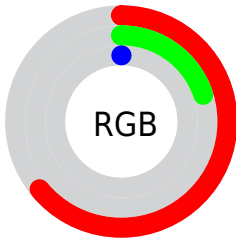
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	163, 74, 0
Decimal	10695424
CIE Lab	38.12, 44.45, 50.05
CIE LCh	38, 66.943, 48.389
Yxy	10.1548, 0.5913, 0.3687
Android (android.graphics.Color)	4288885504 (0xFFA33300)
YUV	78.6740, -38.7863, 73.9539
Hunter-Lab	31.8656, 35.4752, 20.2565

# Details

The HunterLab color **31.8656, 35.4752, 20.2565** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **37.7242, -7.3242, -31.3410**, and the grayscale version is **27.9600, -1.4919, 1.5191**.

A 20% lighter version of the original color is **50.9470, 38.8006, 28.2918**, and **16.8071, 28.7826, 10.8603** is the 20% darker color. If you saturate the color by 10%, you get **31.8664, 35.4724, 20.2569**, and if you desaturate by 10%, it is **33.6044, 31.1413, 20.3662**.

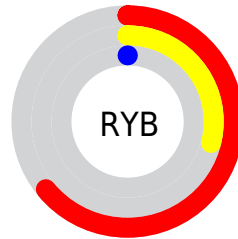
# Distribution



Red (64%)

Green (20%)

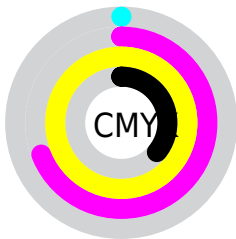
Blue (0%)



Red (64%)

Yellow (29%)

Blue (0%)

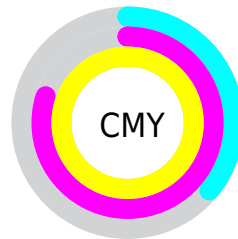


Cyan (0%)

Magenta (69%)

Yellow (100%)

Black (36%)



Cyan (36%)

Magenta (80%)


Yellow (100%)


# Brightness & Saturation Gradients


These gradients show how the HunterLab color 31.8656, 35.4752, 20.2565 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 31.8656, 35.4752, 20.2565 by changing the saturation by 10% instead.





 31.8656, 35.4752,  
20.2565


 31.8656, 35.4752,  
20.2565


 138.4822, 46.7395,  
51.4100


 23.4557, 33.6875,  
16.4190

 51.0746, 38.7116,  
28.3294


 15.9516, 31.8564,  
11.1661

 61.7522, 40.1553,  
32.0294

 9.4808, 30.2094,  
6.6366

 73.0849, 41.4883,  
35.5545

0.0000, INF, NaN

 85.0367, 42.7179,  
38.9342

0.0000, NaN, NaN

 97.5773, 43.8513,  
42.1922


0.0000, NaN, NaN


 110.6800, 44.8955,

0.0000, NaN, NaN


45.3477


0.0000, NaN, NaN


 124.3218, 45.8564,  
48.4160


 31.8656, 35.4752,  
20.2565


 31.8656, 35.4752,  
20.2565


 31.8664, 35.4724,  
20.2569

 33.6044, 31.1413,  
20.3662

 35.6548, 26.6286,  
20.0923

 38.0032, 22.1448,  
19.2887

 40.6209, 17.8061,  
17.9980

 43.4791, 13.6820,  
16.2809

■ 46.5503, 9.8061,  
14.2007

■ 49.8101, 6.1873,  
11.8157

■ 53.2367, 2.8193,  
9.1757

■ 56.8116, -0.3131,  
6.3219

# Harmonies

## Analogous

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



31.8665, 55.5867, 12.7799



31.8656, 35.4752, 20.2565



31.8665, 8.2174, 22.2872

# Triad

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



31.8665, 35.4721, 20.2569



31.8665, -35.6797, 9.4212



31.8665, 14.3511, -75.3785

# Complementary

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



31.8656, 35.4752, 20.2565



37.7242, -7.3242, -31.3410

# 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.



31.8665, -10.5393, -79.2565



31.8656, 35.4752, 20.2565



31.8665, -34.9345, -15.6335

# Square

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



31.8665, 35.4721, 20.2569



31.8665, -29.5699, 19.3540



31.8665, -27.0952, -52.3035



31.8665, 41.0999, -43.9020



# Rectangle

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



31.8656, 35.4752, 20.2565



31.8665, -8.2125, 22.3066



31.8665, -27.0952, -52.3035



31.8665, 5.3770, -80.5151

# Sweetspot

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



31.8665, 35.4721, 20.2569



66.4096, 8.5412, 16.0000



30.0061, 55.4424, -12.0547



30.6316, 4.9532, 8.2071



90.9709, -4.8540, 4.9426



38.3822, -2.0480, 2.0854



# Same Dimension

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



31.8665, 35.4721, 20.2569



42.2712, 48.5368, 26.8970



48.8449, -0.9152, 30.0819



27.2596, -0.2548, 2.9160



28.2232, 30.9050, 17.9320



4.9841, 2.2829, 3.1112



# Inverse Universe

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



37.7242, -7.3242, -31.3410



50.1149, -9.2373, -42.6985



19.2614, 32.4944, -94.2210



27.6324, -2.5680, 0.0247



33.3824, -6.6472, -27.3758



5.5909, -2.0368, -2.5913



# Previews

## White Background



This preview shows how the HunterLab color 31.8656, 35.4752, 20.2565 looks on a white 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 × Fail



# Black Background



This preview shows how the HunterLab color 31.8656, 35.4752, 20.2565 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

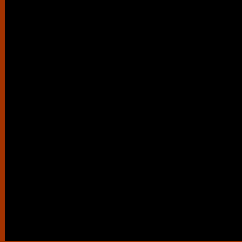
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

## HunterLab 31.8656, 35.4752, 20.2565 Background



This preview shows how black text looks on a background with the HunterLab color 31.8656, 35.4752, 20.2565.



This preview shows how white text looks on a background with the HunterLab color 31.8656, 35.4752,



# 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

31.8656, 35.4752, 20.2565

### Protanopia

32.1724, -4.5380, 18.6904

### Deuteranopia

32.0943, 1.6662, 19.8055



## Tritanopia

31.9949, 38.5317, 14.7977

# Trichromacy



## Original Color

31.8656, 35.4752, 20.2565

## Protanomaly

30.7866, 9.6521, 18.5298

## Deuteranomaly

31.0976, 13.8751, 19.4051

## Tritanomaly

31.9271, 37.3207, 17.7891

# Monochromacy



## Original Color

31.8656, 35.4752, 20.2565

## Achromatopsia

27.9620, -1.4920, 1.5192

## Achromatomaly

27.9312, 9.4946, 10.9718

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 31.8656, 35.4752, 20.2565 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(163, 51, 0)` looks like.

```
.text, #text, p{  
    color:rgb(163, 51, 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(163, 51, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 51, 0) }
```

## Border

The CSS property to change the border of an element to HunterLab 31.8656, 35.4752, 20.2565 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(163, 51, 0) }
```



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

```
.border{ border-color:rgb(163, 51, 0) }
```

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

Here you see how a box with a 4 pixel rgb(163, 51, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 51, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 51, 0);  
box-shadow:4px 4px 4px 4px rgb(163, 51, 0)  
}
```

# Background

The CSS property to change the background color of an element to HunterLab 31.8656, 35.4752, 20.2565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 51, 0) }
```

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

```
.background{ background-color: rgb(163, 51,  
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](#).

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