

# Converting Colors

HunterLab(19.9494, -19.1778,  
13.2006)

Have a look what the booklet for  
HunterLab(19.9494, -19.1778,  
13.2006) contains.

<b>HunterLab(20.3328, -17.4354, 12.2238)</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(20.3328,  
-17.4354, 12.2238)**

# Conversions

## Conversions Part 1

Format	Color
Hex	004400
RGB	0, 68, 0
RGB Percent	0%, 27%, 0%
CMY	1.0000, 0.7333, 1.0000
CMYK	1.00, 0.00, 1.00, 0.73
HSL	120°, 100%, 13%
HSV	120°, 100%, 27%
XYZ	2.0671, 4.1342, 0.6890
YIQ	39.9160, -18.7000, -35.5640

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 68, 68
Decimal	17408
CIELab	24.11, -33.32, 31.71
CIELCh	24, 46.003, 136.418
Yxy	4.1344, 0.3000, 0.6000
Android (android.graphics.Color)	4278207488 (0xFF004400)
YUV	39.9160, -19.6786, -35.0063
Hunter-Lab	20.3328, -17.4354, 12.2238

# Details

The HunterLab color **20.3328, -17.4354, 12.2238** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **12.8310, 25.2260, -16.9225**, and the grayscale version is **14.6059, -0.7793, 0.7936**.

A 20% lighter version of the original color is **37.2368, -23.4672, 18.0819**, and **7.8281, -6.7126, 4.7061** is the 20% darker color. If you saturate the color by 10%, you get **20.3332, -17.4357, 12.2239**, and if you desaturate by 10%, it is **20.4773, -16.7487, 11.7593**.

# Distribution



Red (0%)

Green (27%)

Blue (0%)



Red (0%)

Yellow (27%)

Blue (27%)



Cyan (100%)

Magenta (0%)

Yellow (100%)

Black (73%)



Cyan (100%)

Magenta (73%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 20.3328, -17.4354, 12.2238 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 20.3328, -17.4354, 12.2238 by changing the saturation by 10% instead.



■ 20.3328, -17.4354,  
12.2238

■ 20.3328, -17.4354,  
12.2238

■ 118.7910,  
-40.1785, 34.6092

■ 13.2251, -14.0834,  
9.2576

■ 37.3029, -23.4056,  
18.0627

■ 6.7461, -11.8057,  
4.7223

■ 46.9884, -26.0808,  
20.7168

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 57.3918, -28.6227,  
23.2337

0.0000, NaN, NaN

■ 68.4666, -31.0632,  
25.6447

0.0000, NaN, NaN

■ 80.1742, -33.4246,  
27.9727


0.0000, NaN, NaN


0.0000, NaN, NaN


■ 92.4822, -35.7233,


30.2346


0.0000, NaN, NaN


 105.3626,  
-37.9714, 32.4434


 20.3328, -17.4354,  
12.2238


 20.3328, -17.4354,  
12.2238


 20.3332, -17.4357,  
12.2239

 20.4773, -16.7487,  
11.7593

 20.6282, -16.0347,  
11.2765

 20.8310, -15.0852,  
10.6344

 21.0955, -13.8623,  
9.8075

 21.4243, -12.3669,  
8.7966

■ 21.8184, -10.6076,  
7.6073

■ 22.2783, -8.5990,  
6.2496

■ 22.8034, -6.3603,  
4.7367

■ 23.3923, -3.9136,  
3.0836

# Harmonies

## Analogous

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



20.3332, -8.2985, 14.2333



20.3328, -17.4354, 12.2238



20.3332, -21.5267, 6.3474

# Triad

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



20.3332, -17.4357, 12.2239



20.3332, -7.1570, -44.3680



20.3332, 32.6431, 7.2059

# Complementary

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



20.3328, -17.4354, 12.2238



12.8310, 25.2260, -16.9225

# 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.



20.3332, 33.2004, -6.0557



20.3328, -17.4354, 12.2238



20.3332, 7.2971, -43.4629

# Square

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



20.3332, -17.4357, 12.2239



20.3332, -16.8003, -28.4807



20.3332, 22.9531, -26.4990



20.3332, 21.5927, 12.5521



# Rectangle

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



20.3328, -17.4354, 12.2238



20.3332, -21.8525, -2.0445



20.3332, 22.9531, -26.4990



20.3332, 34.1513, 3.8226

# Sweetspot

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



20.3332, -17.4357, 12.2239



29.2900, -11.6916, 8.4792



23.1590, -6.2203, 14.1616



15.1773, -6.3673, 4.6039



64.8100, -3.4581, 3.5212



16.4960, -0.8802, 0.8963



# Same Dimension

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



20.3332, -17.4357, 12.2239



26.8075, -22.9874, 16.1161



20.6153, -15.6775, 8.0759



12.0934, -1.8145, 1.4522



29.2077, -25.0456, 17.5591



73.1619, -62.7362, 43.9836



# Inverse Universe

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



12.8310, 25.2260, -16.9225



16.9165, 33.2583, -22.3107



11.5952, 20.8532, -0.2286



11.6477, 0.5925, -0.1927



18.4311, 36.2360, -24.3083

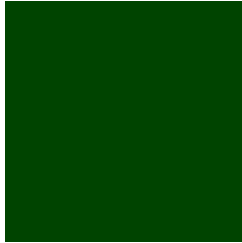


46.1677, 90.7668, -60.8891



# Previews

## White Background



This preview shows how the HunterLab color 20.3328, -17.4354, 12.2238 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

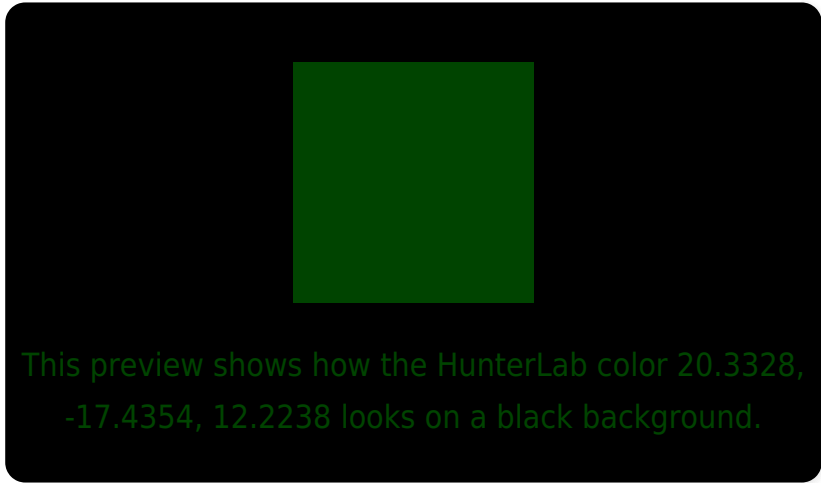
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black 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

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

## HunterLab 20.3328, -17.4354, 12.2238 Background



This preview shows how black text looks on a background with the HunterLab color 20.3328, -17.4354, 12.2238.



This preview shows how white text looks on a background with the HunterLab color 20.3328,

-17.4354, 12.2238.

# 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

20.3328, -17.4354, 12.2238

### Protanopia

20.4557, -2.9887, 12.5524

### Deuteranopia

20.4532, 0.8619, 11.3082



## Tritanopia

20.5757, -7.1396, -3.2052

# Trichromacy



## Original Color

20.3328, -17.4354, 12.2238

## Protanomaly

19.8431, -10.6401, 12.0410

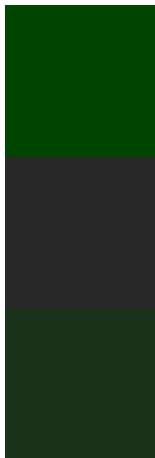
## Deuteranomaly

19.5818, -8.7686, 11.0432

## Tritanomaly

20.2079, -12.6115, 5.5256

# Monochromacy



## Original Color

20.3328, -17.4354, 12.2238

## Achromatopsia

14.5667, -0.7772, 0.7914

## Achromatomaly

15.9940, -8.8272, 6.2915

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 20.3328, -17.4354, 12.2238 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(0, 68, 0)` looks like.

```
.text, #text, p{  
    color:rgb(0, 68, 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(0, 68, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 68, 0) }
```

## Border

The CSS property to change the border of an element to HunterLab 20.3328, -17.4354, 12.2238 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(0, 68, 0) }
```



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

```
.border{ border-color:rgb(0, 68, 0) }
```

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

Here you see how a box with a 4 pixel rgb(0, 68, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 68, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 68, 0); box-shadow:4px  
4px 4px 4px rgb(0, 68, 0) }
```

# Background

The CSS property to change the background color of an element to HunterLab 20.3328, -17.4354, 12.2238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 68, 0) }
```

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

```
.background{ background-color: rgb(0, 68,  
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