

# Converting Colors

HunterLab(32.2838, -20.8921,  
17.1792)

Have a look what the booklet for  
HunterLab(32.2838, -20.8921,  
17.1792) contains.

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# Color

**HunterLab(32.4492,  
-20.9545, 17.2596)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	34671F
RGB	52, 103, 31
RGB Percent	20%, 40%, 12%
CMY	0.7961, 0.5961, 0.8784
CMYK	0.50, 0.00, 0.70, 0.60
HSL	103°, 54%, 26%
HSV	103°, 70%, 40%
XYZ	6.5138, 10.5295, 2.9854
YIQ	79.5430, -7.2840, -33.2040

# Conversions

## Conversions Part 2

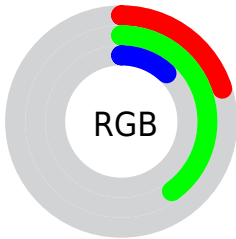
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	31, 103, 82
Decimal	3434271
CIE <sub>Lab</sub>	38.78, -31.49, 34.13
CIE <sub>LCh</sub>	39, 46.442, 132.696
Yxy	10.5300, 0.3252, 0.5257
Android (android.graphics.Color)	4281624351 (0xFF34671F)
YUV	79.5430, -23.9317, -24.1552
Hunter-Lab	32.4492, -20.9545, 17.2596

# Details

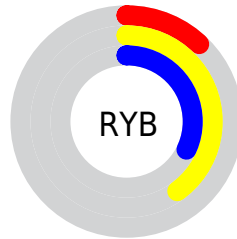
The HunterLab color  $[32.4492, -20.9545, 17.2596]$  is a dark color, and the websafe version is hex  $336600$ . A complement of this color would be  $[19.3738, 25.2315, -26.8919]$ , and the grayscale version is  $[28.2442, -1.5070, 1.5346]$ .

A 20% lighter version of the original color is  $[51.8563, -26.2893, 23.0358]$ , and  $[16.5299, -14.1744, 9.9375]$  is the 20% darker color. If you saturate the color by 10%, you get  $[32.1017, -22.5245, 18.1028]$ , and if you desaturate by 10%, it is  $[32.8665, -19.0792, 16.0836]$ .

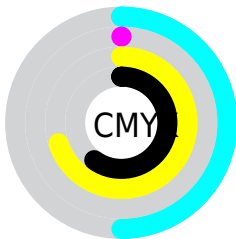
# Distribution



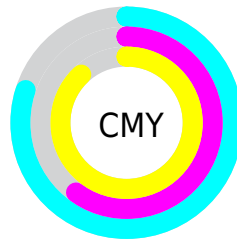
- Red (20%)
- Green (40%)
- Blue (12%)



- Red (12%)
- Yellow (40%)
- Blue (32%)



- Cyan (50%)
- Magenta (0%)
- Yellow (70%)
- Black (60%)



- Cyan (80%)
- Magenta (60%)
- Yellow (88%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 32.4492, -20.9545, 17.2596 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 32.4492, -20.9545, 17.2596 by changing the saturation by 10% instead.



■ 32.4492, -20.9545,  
17.2596

■ 32.4492, -20.9545,  
17.2596

139.4323,  
-41.4846, 39.6966

■ 23.9828, -18.1253,  
14.0999

■ 51.7568, -26.0704,  
22.9494

■ 16.4156, -15.0005,  
11.4909

■ 62.4787, -28.4491,  
25.5728

■ 9.8717, -14.4768,  
6.9102

■ 73.8532, -30.7455,  
28.0907

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 85.8447, -32.9776,  
30.5247

0.0000, NaN, NaN

■ 98.4230, -35.1586,  
32.8910

0.0000, NaN, NaN

■ 111.5619,

0.0000, NaN, NaN

-37.2985, 35.2021

0.0000, NaN, NaN

125.2385,  
-39.4051, 37.4680

32.4492, -20.9545,  
17.2596

32.4492, -20.9545,  
17.2596

32.1017, -22.5245,  
18.1028

32.8665, -19.0792,  
16.0836

31.8192, -23.7911,  
18.6337

33.3531, -16.9002,  
14.5639

31.5893, -24.8260,  
19.0251

33.9104, -14.4274,  
12.6988

31.5873, -24.8355,  
19.0291

34.5384, -11.6751,  
10.4937

35.2365, -8.6610,  
7.9595

■ 36.0035, -5.4054,  
5.1116

■ 36.8378, -1.9298,  
1.9686

■ 37.7374, 1.7436,  
-1.4489

■ 38.7001, 5.5931,  
-5.1194

# Harmonies

## Analogous

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



32.4499, -8.5687, 19.7647



32.4492, -20.9545, 17.2596



32.4499, -27.2897, 9.6797

# Triad

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



32.4499, -20.9551, 17.2598



32.4499, -10.8421, -43.7593



32.4499, 36.4303, 7.8506

# Complementary

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



32.4492, -20.9545, 17.2596



19.3738, 25.2315, -26.8919

# 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.



32.4499, 35.4730, -8.8362



32.4492, -20.9545, 17.2596



32.4499, 5.7196, -45.1580

# Square

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



32.4499, -20.9551, 17.2598



32.4499, -22.3247, -26.9545



32.4499, 23.3654, -30.1452



32.4499, 25.7620, 16.5113



# Rectangle

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



32.4492, -20.9545, 17.2596



32.4499, -28.2260, 0.2791



32.4499, 23.3654, -30.1452



32.4499, 37.5117, 3.1864

# Sweetspot

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



32.4499, -20.9551, 17.2598



46.9834, -12.3048, 11.2626



29.8789, 0.3652, 15.8449



23.1134, -6.4801, 5.9046



74.4461, -3.9723, 4.0448



24.3420, -1.2988, 1.3225



# Same Dimension

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



32.4499, -20.9551, 17.2598



42.6978, -31.2975, 24.7345



31.9137, -22.8656, 14.5767



17.8261, -2.5051, 2.3779



35.4056, -27.9572, 21.3274



80.6099, -64.8942, 48.5354



# Inverse Universe

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



19.3738, 25.2315, -26.8919



22.6721, 40.2178, -45.4130



21.3972, 28.2110, -12.2678



16.8849, 0.7087, -0.5809



17.3031, 36.7523, -44.0138

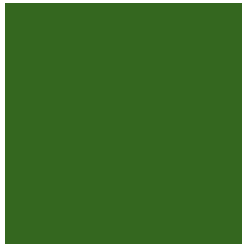


38.9248, 83.1677, -102.8139



# Previews

## White Background



This preview shows how the HunterLab color 32.4492, -20.9545, 17.2596 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 32.4492, -20.9545, 17.2596 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

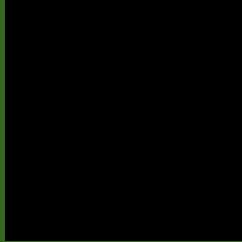
Any Text WCAG AA × Fail

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 32.4492, -20.9545, 17.2596 Background



This preview shows how black text looks on a background with the HunterLab color 32.4492, -20.9545, 17.2596.



This preview shows how white text looks on a background with the HunterLab color 32.4492,

-20.9545, 17.2596.

# 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

32.4492, -20.9545, 17.2596

### Protanopia

32.2348, -4.1912, 17.7688

### Deuteranopia

32.0934, 2.0794, 16.5787



## Tritanopia

32.3868, -7.8364, -4.1565

# Trichromacy



## Original Color

32.4492, -20.9545, 17.2596

## Protanomaly

31.8715, -11.1376, 17.2817

## Deuteranomaly

31.6224, -7.6701, 16.3700

## Tritanomaly

32.2803, -14.1061, 6.7480

# Monochromacy



## Original Color

32.4492, -20.9545, 17.2596

## Achromatopsia

28.3231, -1.5113, 1.5388

## Achromatomaly

29.3757, -9.5712, 8.7352

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 32.4492, -20.9545, 17.2596 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(52, 103, 31)` looks like.

```
.text, #text, p{  
    color:rgb(52, 103, 31)  
}
```

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(52, 103, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 103, 31) }
```

## Border

The CSS property to change the border of an element to HunterLab 32.4492, -20.9545, 17.2596 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(52, 103, 31) }
```



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

```
.border{ border-color:rgb(52, 103, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 103, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 103, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 103, 31);  
box-shadow:4px 4px 4px 4px rgb(52, 103,  
31) }
```

# Background

The CSS property to change the background color of an element to HunterLab 32.4492, -20.9545, 17.2596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 103, 31) }
```

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

```
.background{ background-color: rgb(52, 103,  
31) }
```

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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