

# Converting Colors

HunterLab(32.3240, -19.0387,  
20.4729)

Have a look what the booklet for  
HunterLab(32.3240, -19.0387,  
20.4729) contains.

<b>HunterLab(32.3506, -18.5391, 19.6097)</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(32.3506,  
-18.5391, 19.6097)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	426500
RGB	66, 101, 0
RGB Percent	26%, 40%, 0%
CMY	0.7412, 0.6039, 1.0000
CMYK	0.35, 0.00, 1.00, 0.60
HSL	81°, 100%, 20%
HSV	81°, 100%, 40%
XYZ	6.9005, 10.4656, 1.6564
YIQ	79.0210, 11.5610, -38.8310

# Conversions

## Conversions Part 2

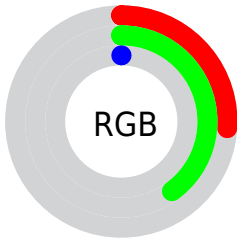
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 101, 35
Decimal	4351232
CIELab	38.67, -27.04, 44.69
CIELCh	39, 52.238, 121.177
Yxy	10.4661, 0.3627, 0.5502
Android (android.graphics.Color)	4282541312 (0xFF426500)
YUV	79.0210, -38.9574, -11.4194
Hunter-Lab	32.3506, -18.5391, 19.6097

# Details

The HunterLab color  $[32.3506, -18.5391, 19.6097]$  is a dark color, and the websafe version is hex  $336600$ . A complement of this color would be  $[11.3896, 27.7519, -56.5904]$ , and the grayscale version is  $[28.1035, -1.4995, 1.5269]$ .

A 20% lighter version of the original color is  $[51.5883, -22.9352, 26.7863]$ , and  $[16.5042, -12.8200, 9.9454]$  is the 20% darker color. If you saturate the color by 10%, you get  $[32.3512, -18.5404, 19.6101]$ , and if you desaturate by 10%, it is  $[32.5784, -17.5675, 19.2390]$ .

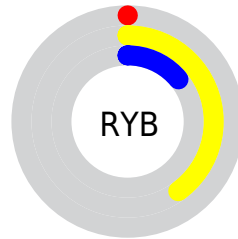
# Distribution



Red (26%)

Green (40%)

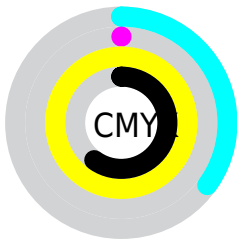
Blue (0%)



Red (0%)

Yellow (40%)

Blue (14%)

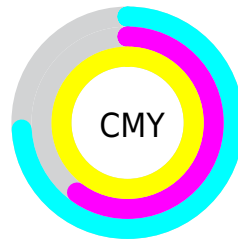


Cyan (35%)

Magenta (0%)

Yellow (100%)

Black (60%)



Cyan (74%)

Magenta (60%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 32.3506, -18.5391, 19.6097 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 32.3506, -18.5391, 19.6097 by changing the saturation by 10% instead.



■ 32.3506, -18.5391,  
19.6097

■ 32.3506, -18.5391,  
19.6097

■ 139.2720,  
-36.8670, 47.7697

■ 23.8936, -16.0713,  
15.9048

■ 51.6416, -23.0403,  
26.8738

■ 16.3370, -13.3622,  
11.4359

■ 62.3560, -25.1492,  
30.2037

■ 9.8055, -12.5771,  
6.8638

■ 73.7235, -27.1945,  
33.3816

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 85.7083, -29.1907,  
36.4348

0.0000, NaN, NaN

■ 98.2803, -31.1488,  
39.3848


0.0000, NaN, NaN


0.0000, NaN, NaN


■ 111.4131,


-33.0768, 42.2486


0.0000, NaN, NaN


 125.0838,  
-34.9812, 45.0399


 32.3506, -18.5391,  
19.6097


 32.3506, -18.5391,  
19.6097


 32.3512, -18.5404,  
19.6101

 32.5784, -17.5675,  
19.2390

 32.8261, -16.5011,  
18.7256

 33.1062, -15.2730,  
17.8959

 33.4206, -13.8763,  
16.7246

 33.7704, -12.3074,  
15.1945

■ 34.1568, -10.5654,  
13.2948

■ 34.5803, -8.6518,  
11.0201

■ 35.0412, -6.5701,  
8.3696

■ 35.5397, -4.3252,  
5.3466

# Harmonies

## Analogous

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



32.3513, -2.4743, 20.7946



32.3506, -18.5391, 19.6097



32.3513, -27.9004, 14.4276

# Triad

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



32.3513, -18.5399, 19.6099



32.3513, -17.5130, -45.8271



32.3513, 43.4563, 2.4662

# Complementary

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



32.3506, -18.5391, 19.6097



11.3896, 27.7519, -56.5904

# 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.



32.3513, 36.8684, -19.8524



32.3506, -18.5391, 19.6097



32.3513, -0.9747, -55.7495

# Square

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



32.3513, -18.5399, 19.6099



32.3513, -27.4108, -21.8673



32.3513, 19.4218, -44.2650



32.3513, 35.8031, 15.0733



# Rectangle

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



32.3506, -18.5391, 19.6097



32.3513, -30.4752, 6.6474



32.3513, 19.4218, -44.2650



32.3513, 42.8244, -4.0310

# Sweetspot

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



32.3513, -18.5399, 19.6099



45.2591, -11.5564, 14.7098



19.7287, 19.1262, 12.4910



22.3657, -6.1144, 7.7597



73.3645, -3.9145, 3.9860



23.4461, -1.2510, 1.2739



# Same Dimension

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



32.3513, -18.5399, 19.6099



42.3189, -24.5658, 25.6466



30.7010, -25.3408, 18.4739



17.9524, -2.0565, 2.5238



37.0130, -21.3574, 22.4333



84.2330, -49.9603, 51.0294



# Inverse Universe

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



11.3896, 27.7519, -56.5904



14.7396, 36.1853, -75.3062



16.8298, 34.4026, -32.4034



16.7497, 0.2496, -0.7610



12.9559, 31.6967, -65.3428

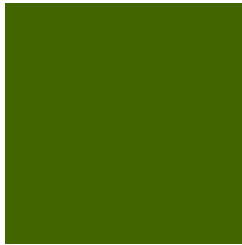


28.8248, 71.6554, -154.1788



# Previews

## White Background



This preview shows how the HunterLab color 32.3506, -18.5391, 19.6097 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

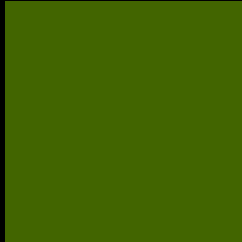
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 32.3506, -18.5391, 19.6097 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

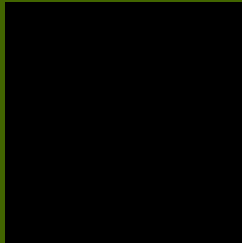
Any Text WCAG AA × Fail

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 32.3506, -18.5391, 19.6097 Background



This preview shows how black text looks on a background with the HunterLab color 32.3506, -18.5391, 19.6097.



This preview shows how white text looks on a background with the HunterLab color 32.3506,

-18.5391, 19.6097.

# 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

32.3506, -18.5391, 19.6097

### Protanopia

32.1959, -4.5899, 19.7586

### Deuteranopia

32.1728, 2.0879, 18.6417



## Tritanopia

32.3751, -5.2037, -2.6891

# Trichromacy



## Original Color

32.3506, -18.5391, 19.6097

## Protanomaly

32.1840, -10.2401, 19.6523

## Deuteranomaly

31.7059, -6.2605, 18.7154

## Tritanomaly

32.0894, -12.3644, 10.5948

# Monochromacy



## Original Color

32.3506, -18.5391, 19.6097

## Achromatopsia

27.9620, -1.4920, 1.5192

## Achromatomaly

29.1591, -9.3529, 11.6682

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 32.3506, -18.5391, 19.6097 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(66, 101, 0)` looks like.

```
.text, #text, p{  
    color:rgb(66, 101, 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(66, 101, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 101, 0) }
```

## Border

The CSS property to change the border of an element to HunterLab 32.3506, -18.5391, 19.6097 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(66, 101, 0) }
```



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

```
.border{ border-color:rgb(66, 101, 0) }
```

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

Here you see how a box with a 4 pixel rgb(66, 101, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 101, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 101, 0);  
box-shadow:4px 4px 4px 4px rgb(66, 101, 0)  
}
```

# Background

The CSS property to change the background color of an element to HunterLab 32.3506, -18.5391, 19.6097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 101, 0) }
```

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

```
.background{ background-color: rgb(66, 101,  
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