

# Converting Colors

HunterLab(29.4795, -17.1751,  
12.4369)

Have a look what the booklet for  
HunterLab(29.4795, -17.1751,  
12.4369) contains.

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# Color

**HunterLab(29.4736,  
-17.0939, 12.4523)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	315D2F
RGB	49, 93, 47
RGB Percent	19%, 36%, 18%
CMY	0.8078, 0.6353, 0.8157
CMYK	0.47, 0.00, 0.49, 0.64
HSL	117°, 33%, 27%
HSV	117°, 49%, 36%
XYZ	5.6941, 8.6869, 4.0660
YIQ	74.6000, -11.4580, -23.6340

# Conversions

## Conversions Part 2

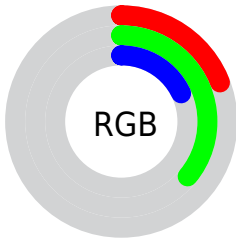
<b>Format</b>	<b>Color</b>
<b>RYB</b>	47, 93, 91
Decimal	3235119
CIELab	35.38, -25.80, 21.73
CIELCh	35, 33.729, 139.896
Yxy	8.6873, 0.3087, 0.4709
Android (android.graphics.Color)	4281425199 (0xFF315D2F)
YUV	74.6000, -13.6068, -22.4512
Hunter-Lab	29.4736, -17.0939, 12.4523

# Details

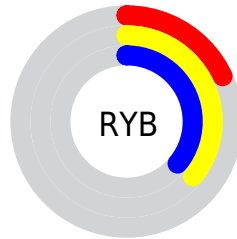
The HunterLab color  $[29.4736, -17.0939, 12.4523]$  is a dark color, and the websafe version is hex  $336633$ . A complement of this color would be  $[22.4673, 18.7365, -13.1578]$ , and the grayscale version is  $[26.4331, -1.4104, 1.4362]$ .

A 20% lighter version of the original color is  $[48.3232, -21.6566, 16.4044]$ , and  $[14.0016, -11.8879, 8.4196]$  is the 20% darker color. If you saturate the color by 10%, you get  $[29.0178, -19.1707, 13.8497]$ , and if you desaturate by 10%, it is  $[30.0233, -14.6410, 10.7789]$ .

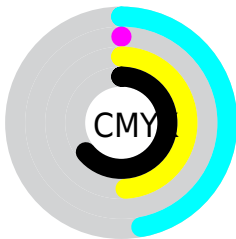
# Distribution



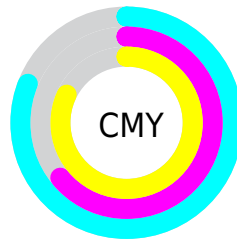
- Red (19%)
- Green (36%)
- Blue (18%)



- Red (18%)
- Yellow (36%)
- Blue (36%)



- Cyan (47%)
- Magenta (0%)
- Yellow (49%)
- Black (64%)



- Cyan (81%)
- Magenta (64%)
- Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 29.4736, -17.0939, 12.4523 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 29.4736, -17.0939, 12.4523 by changing the saturation by 10% instead.



■ 29.4736, -17.0939,  
12.4523

■ 29.4736, -17.0939,  
12.4523

134.5465,  
-34.9684, 28.5420

■ 21.3021, -14.6626,  
10.2864

■ 48.2651, -21.4988,  
16.3886

■ 14.0667, -11.9696,  
8.4376

■ 58.7558, -23.5559,  
18.2321

■ 7.7140, -13.4995,  
5.3998

■ 69.9125, -25.5489,  
20.0220

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 81.6978, -27.4932,  
21.7720

0.0000, NaN, NaN

■ 94.0796, -29.3997,  
23.4923

0.0000, NaN, NaN

■ 107.0305,

0.0000, NaN, NaN

-31.2771, 25.1904

0.0000, NaN, NaN

120.5265,  
-33.1316, 26.8721

■ 29.4736, -17.0939,  
12.4523

■ 29.4736, -17.0939,  
12.4523

■ 29.0178, -19.1707,  
13.8497

■ 30.0233, -14.6410,  
10.7789

■ 28.6520, -20.8583,  
14.9643

■ 30.6655, -11.8314,  
8.8419

■ 28.3735, -22.1570,  
15.7989

■ 31.3998, -8.6931,  
6.6603

■ 28.1768, -23.0798,  
16.3662

■ 32.2246, -5.2580,  
4.2559

■ 28.0345, -23.7582,  
16.8284

■ 33.1370, -1.5604,  
1.6529

■ 28.0270, -23.7940,  
16.8536

■ 34.1339, 2.3654,  
-1.1242

■ 35.2114, 6.4861,  
-4.0517

■ 36.3656, 10.7709,  
-7.1071

■ 37.5924, 15.1919,  
-10.2700

# Harmonies

## Analogous

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



29.4742, -8.9543, 15.5984



29.4736, -17.0939, 12.4523



29.4742, -20.8649, 5.1685

# Triad

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



29.4742, -17.0944, 12.4525



29.4742, -5.4766, -28.8193



29.4742, 23.1356, 8.0844

# Complementary

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



29.4736, -17.0939, 12.4523



22.4673, 18.7365, -13.1578

# 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.



29.4742, 24.4628, -2.4692



29.4736, -17.0939, 12.4523



29.4742, 6.6120, -27.0260

# Square

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



29.4742, -17.0944, 12.4525



29.4742, -14.8964, -20.3336



29.4742, 18.0182, -16.1128



29.4742, 14.6363, 13.8578



# Rectangle

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



29.4736, -17.0939, 12.4523



29.4742, -20.8753, -2.3812



29.4742, 18.0182, -16.1128



29.4742, 24.4818, 5.1009

# Sweetspot

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



29.4742, -17.0944, 12.4525



41.4931, -9.6145, 7.4850



31.5656, -5.7978, 14.2974



20.7023, -5.1246, 3.9649



71.2094, -3.7996, 3.8689



21.6712, -1.1563, 1.1774



# Same Dimension

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



29.4742, -17.0944, 12.4525



37.8887, -25.3988, 18.3311



29.7442, -15.3180, 7.2538



16.0948, -2.5060, 2.0408



33.3275, -28.3412, 20.0401



77.9242, -66.6006, 46.8506



# Inverse Universe

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



22.4673, 18.7365, -13.1578



27.0687, 30.3860, -21.6051



21.9823, 16.0216, -2.8497



15.4201, 0.8911, -0.3813



20.2841, 40.2496, -29.6243

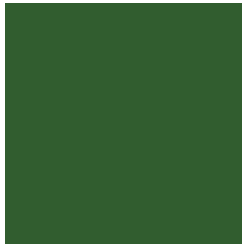


47.3588, 94.0324, -69.6211



# Previews

## White Background



This preview shows how the HunterLab color 29.4736, -17.0939, 12.4523 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

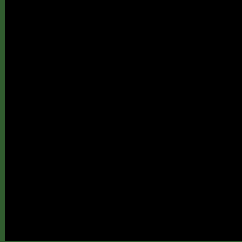
Any Text WCAG AA × Fail

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 29.4736, -17.0939, 12.4523 Background



This preview shows how black text looks on a background with the HunterLab color 29.4736, -17.0939, 12.4523.



This preview shows how white text looks on a background with the HunterLab color 29.4736, -17.0939, 12.4523.

-17.0939, 12.4523.

# 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

29.4736, -17.0939, 12.4523

### Protanopia

29.3130, -3.4208, 13.1829

### Deuteranopia

29.2089, 1.6069, 11.9012



## Tritanopia

29.5558, -7.2792, -3.6335

# Trichromacy



## Original Color

29.4736, -17.0939, 12.4523

## Protanomaly

29.2273, -9.2374, 12.8118

## Deuteranomaly

28.8301, -6.3816, 11.6775

## Tritanomaly

29.4527, -11.5009, 3.4377

# Monochromacy



## Original Color

29.4736, -17.0939, 12.4523

## Achromatopsia

26.5255, -1.4153, 1.4412

## Achromatomaly

27.5218, -7.8334, 6.0480

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 29.4736, -17.0939, 12.4523 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(49, 93, 47)` looks like.

```
.text, #text, p{  
    color:rgb(49, 93, 47)  
}
```

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(49, 93, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 93, 47) }
```

## Border

The CSS property to change the border of an element to HunterLab 29.4736, -17.0939, 12.4523 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(49, 93, 47) }
```



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

```
.border{ border-color:rgb(49, 93, 47) }
```

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

Here you see how a box with a 4 pixel rgb(49, 93, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 93, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 93, 47);  
box-shadow:4px 4px 4px 4px rgb(49, 93, 47)  
}
```

# Background

The CSS property to change the background color of an element to HunterLab 29.4736, -17.0939, 12.4523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 93, 47) }
```

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

```
.background{ background-color: rgb(49, 93,  
47) }
```

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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