

# Converting Colors

HunterLab(30.1806, -9.8102,  
15.9755)

Have a look what the booklet for  
HunterLab(30.1806, -9.8102,  
15.9755) contains.

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# Color

**HunterLab(30.2579, -9.9818,  
16.0632)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	515A1E
RGB	81, 90, 30
RGB Percent	32%, 35%, 12%
CMY	0.6824, 0.6470, 0.8823
CMYK	0.10, 0.00, 0.67, 0.65
HSL	69°, 50%, 24%
HSV	69°, 67%, 35%
XYZ	7.2839, 9.1554, 2.6116
YIQ	80.4690, 13.8960, -20.5680

# Conversions

## Conversions Part 2

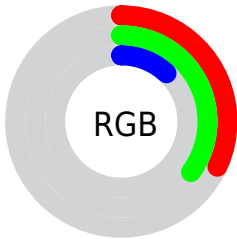
<b>Format</b>	<b>Color</b>
<b>RYB</b>	30, 90, 39
Decimal	5331486
CIELab	36.28, -12.98, 32.46
CIELCh	36, 34.960, 111.786
Yxy	9.1558, 0.3823, 0.4806
Android (android.graphics.Color)	4283521566 (0xFF515A1E)
YUV	80.4690, -24.8812, 0.4657
Hunter-Lab	30.2579, -9.9818, 16.0632

# Details

The HunterLab color  $[30.2579, -9.9818, 16.0632]$  is a dark color, and the websafe version is hex  $666633$ . A complement of this color would be  $[14.4855, 13.4270, -30.4330]$ , and the grayscale version is  $[28.5769, -1.5248, 1.5526]$ .

A 20% lighter version of the original color is  $[49.1910, -12.6631, 21.6269]$ , and  $[14.6337, -6.5757, 8.9021]$  is the 20% darker color. If you saturate the color by 10%, you get  $[30.0951, -10.7300, 16.9588]$ , and if you desaturate by 10%, it is  $[30.4448, -9.1127, 14.8620]$ .

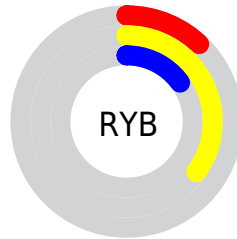
# Distribution



Red (32%)

Green (35%)

Blue (12%)



Red (12%)

Yellow (35%)

Blue (15%)

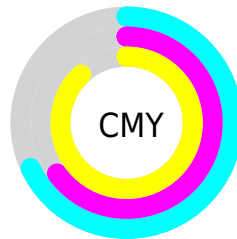


Cyan (10%)

Magenta (0%)

Yellow (67%)

Black (65%)



Cyan (68%)

Magenta (65%)

Yellow (88%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 30.2579, -9.9818, 16.0632 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 30.2579, -9.9818, 16.0632 by changing the saturation by 10% instead.



■ 30.2579, -9.9818,  
16.0632

■ 30.2579, -9.9818,  
16.0632

■ 135.8441,  
-21.5764, 37.8056

■ 22.0067, -8.5955,  
12.9840

■ 49.1885, -12.6253,  
21.5896

■ 14.6813, -7.1224,  
10.2769

■ 59.7413, -13.9130,  
24.1313

■ 8.3398, -7.2249,  
5.8379

■ 70.9566, -15.1905,  
26.5691

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 82.7972, -16.4635,  
28.9249

0.0000, NaN, NaN

■ 95.2317, -17.7360,  
31.2151

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 108.2331,

-19.0109, 33.4524

0.0000, NaN, NaN

121.7775,  
-20.2905, 35.6467

30.2579, -9.9818,  
16.0632

30.2579, -9.9818,  
16.0632

30.0951, -10.7300,  
16.9588

30.4448, -9.1127,  
14.8620

29.9527, -11.3619,  
17.5692

30.6549, -8.1148,  
13.3385

29.8244, -11.9181,  
17.9977

30.8899, -6.9855,  
11.4815

29.7821, -12.1022,  
18.1397

31.1507, -5.7231,  
9.2837

31.4379, -4.3270,  
6.7411

■ 31.7519, -2.7981,  
3.8532

■ 32.0929, -1.1383,  
0.6220

■ 32.4612, 0.6496,  
-2.9476

■ 32.8568, 2.5619,  
-6.8487

# Harmonies

## Analogous

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



30.2586, 1.8734, 16.6118



30.2579, -9.9818, 16.0632



30.2586, -18.1930, 12.6031

# Triad

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



30.2586, -9.9827, 16.0634



30.2586, -15.0226, -22.2044



30.2586, 25.8471, -1.7832

# Complementary

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



30.2579, -9.9818, 16.0632



14.4855, 13.4270, -30.4330

# 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.



30.2586, 19.5369, -16.0549



30.2579, -9.9818, 16.0632



30.2586, -4.9544, -30.5868

# Square

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



30.2586, -9.9827, 16.0634



30.2586, -20.7591, -8.0606



30.2586, 7.7715, -27.9699



30.2586, 23.9185, 8.9264



# Rectangle

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



30.2579, -9.9818, 16.0632



30.2586, -21.1309, 7.9245



30.2586, 7.7715, -27.9699



30.2586, 24.5872, -6.3527

# Sweetspot

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



30.2586, -9.9827, 16.0634



41.4253, -6.4795, 10.3100



19.2839, 14.1703, 8.3539



20.3337, -3.3436, 5.3568



70.1359, -3.7423, 3.8106



20.7927, -1.1094, 1.1297



# Same Dimension

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



30.2586, -9.9827, 16.0634



39.6899, -14.7048, 22.9520



28.4787, -16.8934, 14.6952



16.3436, -1.6219, 2.3289



36.6251, -15.0035, 22.3055



85.5287, -35.7911, 52.0758



# Inverse Universe

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



14.4855, 13.4270, -30.4330



15.2513, 23.9488, -55.9688



17.1235, 19.6979, -22.5978



15.1528, -0.0165, -0.7365



11.1012, 29.0834, -70.9056



25.4770, 67.6637, -169.8406



# Previews

## White Background



This preview shows how the HunterLab color 30.2579, -9.9818, 16.0632 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

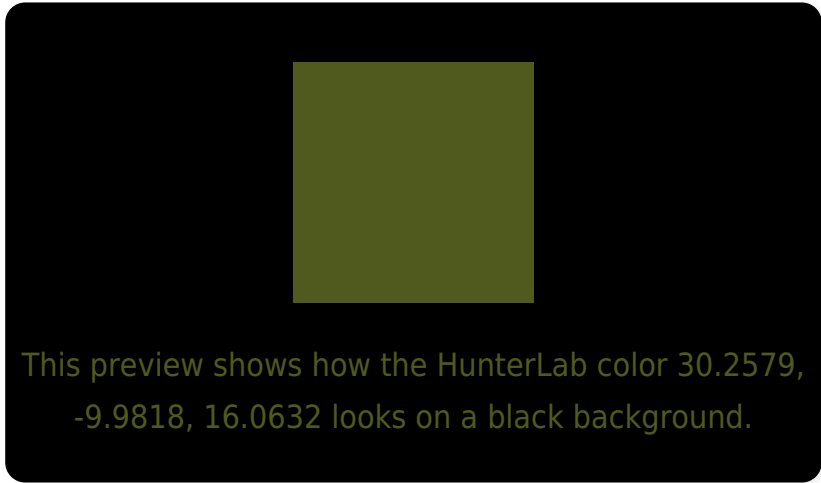
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

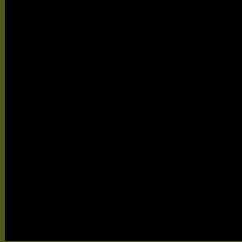
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

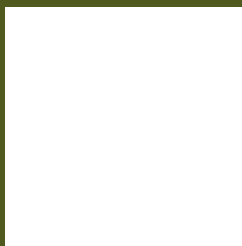
Any Text WCAG AAA × Fail

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

## HunterLab 30.2579, -9.9818, 16.0632 Background



This preview shows how black text looks on a background with the HunterLab color 30.2579, -9.9818, 16.0632.



This preview shows how white text looks on a background with the HunterLab color 30.2579, -9.9818,



# 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

30.2579, -9.9818, 16.0632

### Protanopia

30.0310, -3.8765, 16.1422

### Deuteranopia

30.0979, 1.6581, 15.7408



## Tritanopia

30.2030, 0.2706, -0.8137

# Trichromacy



## Original Color

30.2579, -9.9818, 16.0632

## Protanomaly

30.1310, -6.2460, 16.1699

## Deuteranomaly

29.9772, -2.6755, 15.7223

## Tritanomaly

30.0276, -4.1105, 7.3139

# Monochromacy



## Original Color

30.2579, -9.9818, 16.0632

## Achromatopsia

28.3231, -1.5113, 1.5388

## Achromatomaly

28.9723, -5.4294, 8.4310

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 30.2579, -9.9818, 16.0632 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(81, 90, 30)` looks like.

```
.text, #text, p{  
    color:rgb(81, 90, 30)  
}
```

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(81, 90, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 90, 30) }
```

## Border

The CSS property to change the border of an element to HunterLab 30.2579, -9.9818, 16.0632 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(81, 90, 30) }
```



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

```
.border{ border-color:rgb(81, 90, 30) }
```

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

Here you see how a box with a 4 pixel rgb(81, 90, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 90, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 90, 30);  
box-shadow:4px 4px 4px 4px rgb(81, 90, 30)  
}
```

# Background

The CSS property to change the background color of an element to HunterLab 30.2579, -9.9818, 16.0632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 90, 30) }
```

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

```
.background{ background-color: rgb(81, 90,  
30) }
```

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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