

# Converting Colors

HunterLab(33.6221, -35.6263,  
18.3278)

Have a look what the booklet for  
HunterLab(33.6221, -35.6263,  
18.3278) contains.

<b>HunterLab(35.1227, -29.3597, 19.4787)</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(35.1227,  
-29.3597, 19.4787)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	00731A
RGB	0, 115, 26
RGB Percent	0%, 45%, 10%
CMY	1.0000, 0.5490, 0.8980
CMYK	1.00, 0.00, 0.77, 0.55
HSL	134°, 100%, 23%
HSV	134°, 100%, 45%
XYZ	6.3172, 12.3360, 3.0254
YIQ	70.4690, -39.9710, -52.0590

# Conversions

## Conversions Part 2

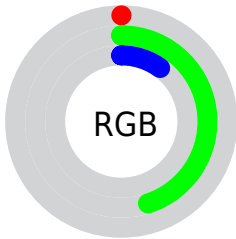
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 94, 115
Decimal	29466
CIELab	41.75, -46.37, 38.98
CIELCh	42, 60.578, 139.945
Yxy	12.3366, 0.2914, 0.5690
Android (android.graphics.Color)	4278219546 (0xFF00731A)
YUV	70.4690, -21.9232, -61.8013
Hunter-Lab	35.1227, -29.3597, 19.4787

# Details

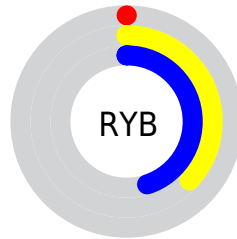
The HunterLab color  $[35.1227, -29.3597, 19.4787]$  is a dark color, and the websafe version is hex  $006600$ . A complement of this color would be  $[20.8955, 39.2358, -13.2538]$ , and the grayscale version is  $[24.9997, -1.3339, 1.3583]$ .

A 20% lighter version of the original color is  $[54.8303, -36.4175, 25.7550]$ , and  $[19.4437, -16.6730, 11.6893]$  is the 20% darker color. If you saturate the color by 10%, you get  $[35.1234, -29.3601, 19.4788]$ , and if you desaturate by 10%, it is  $[35.2950, -28.5005, 18.5911]$ .

# Distribution



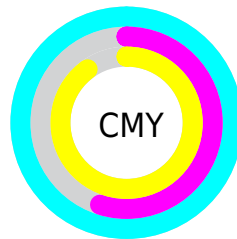
- Red (0%)
- Green (45%)
- Blue (10%)



- Red (0%)
- Yellow (37%)
- Blue (45%)



- Cyan (100%)
- Magenta (0%)
- Yellow (77%)
- Black (55%)



- Cyan (100%)
- Magenta (55%)
- Yellow (90%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 35.1227, -29.3597, 19.4787 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 35.1227, -29.3597, 19.4787 by changing the saturation by 10% instead.



■ 35.1227, -29.3597,  
19.4787

■ 35.1227, -29.3597,  
19.4787

143.7431,  
-57.1625, 44.2404

■ 26.4070, -25.3824,  
15.9977

■ 54.8695, -36.4725,  
25.7749

■ 18.5618, -20.9719,  
12.9933

■ 65.7892, -39.7386,  
28.6797

■ 11.6981, -18.8843,  
8.1887

■ 77.3503, -42.8659,  
31.4652

■ 4.3966, -7.6941,  
3.0776

■ 89.5190, -45.8812,  
34.1540

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 102.2664,  
-48.8045, 36.7636


0.0000, NaN, NaN


■ 115.5672,


0.0000, NaN, NaN


-51.6514, 39.3076


0.0000, NaN, NaN


 129.3993,  
-54.4341, 41.7969


 35.1227, -29.3597,  
19.4787


 35.1227, -29.3597,  
19.4787


 35.1234, -29.3601,  
19.4788

 35.2950, -28.5005,  
18.5911

 35.5310, -27.3379,  
17.4714

 35.8677, -25.7271,  
16.1425

 36.3129, -23.6507,  
14.6136

 36.8717, -21.1080,  
12.8988

■ 37.5468, -18.1124,  
11.0165

■ 38.3392, -14.6889,  
8.9877

■ 39.2482, -10.8708,  
6.8351

■ 40.2716, -6.6971,  
4.5817

# Harmonies

## Analogous

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



35.1234, -15.5195, 22.8081



35.1227, -29.3597, 19.4787



35.1234, -35.2703, 8.3976

# Triad

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



35.1234, -29.3601, 19.4788



35.1234, -9.1542, -68.1322



35.1234, 49.0938, 13.3027

# Complementary

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



35.1227, -29.3597, 19.4787



20.8955, 39.2358, -13.2538

# 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.



35.1234, 52.0510, -6.1092



35.1227, -29.3597, 19.4787



35.1234, 14.2319, -63.4895

# Square

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



35.1234, -29.3601, 19.4788



35.1234, -25.7187, -46.8128



35.1234, 38.0161, -36.5127



35.1234, 30.7371, 21.1283



# Rectangle

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



35.1227, -29.3597, 19.4787



35.1234, -35.2787, -6.0135



35.1234, 38.0161, -36.5127



35.1234, 52.0734, 8.3350

# Sweetspot

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



35.1234, -29.3601, 19.4788



51.2140, -20.0369, 12.2474



37.9998, -17.8550, 23.1027



24.8348, -10.5579, 6.4330



77.7063, -4.1462, 4.2219



27.0627, -1.4440, 1.4704



# Same Dimension

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



35.1234, -29.3601, 19.4788



46.9811, -39.4078, 26.3479



35.8853, -24.6476, 8.3536



20.2744, -3.1563, 2.1915



37.5497, -31.4164, 20.8852



82.8249, -69.7702, 47.0899



# Inverse Universe

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



20.8955, 39.2358, -13.2538



27.9246, 52.3731, -17.2379



19.3713, 33.7288, 8.2160



19.3506, 1.1243, -0.0472



22.3339, 41.9244, -14.0706

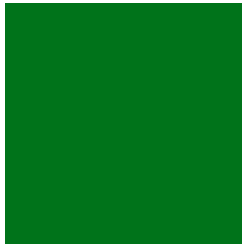


49.1664, 92.0657, -29.2108



# Previews

## White Background



This preview shows how the HunterLab color 35.1227, -29.3597, 19.4787 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

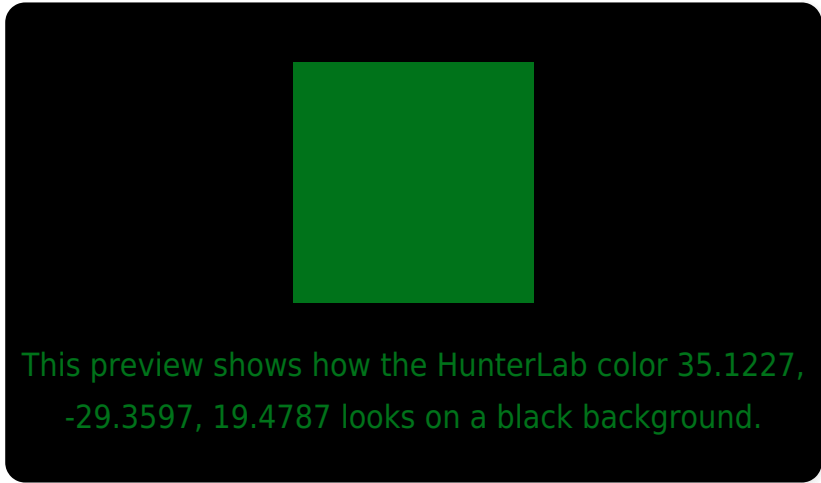
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



## 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 35.1227, -29.3597, 19.4787 Background



This preview shows how black text looks on a background with the HunterLab color 35.1227, -29.3597, 19.4787.



This preview shows how white text looks on a background with the HunterLab color 35.1227,

-29.3597, 19.4787.

# 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

35.1227, -29.3597, 19.4787

### Protanopia

35.1584, -4.8564, 20.2994

### Deuteranopia

34.8726, 2.3727, 18.8264



## Tritanopia

35.2203, -12.8349, -6.3369

# Trichromacy



## Original Color

35.1227, -29.3597, 19.4787

## Protanomaly

33.9184, -18.2837, 19.1633

## Deuteranomaly

33.2135, -14.8265, 17.7671

## Tritanomaly

34.7386, -21.2150, 7.0670

# Monochromacy



## Original Color

35.1227, -29.3597, 19.4787

## Achromatopsia

24.7479, -1.3205, 1.3446

## Achromatomaly

27.3492, -14.7328, 9.0286

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 35.1227, -29.3597, 19.4787 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, 115, 26)` looks like.

```
.text, #text, p{  
    color:rgb(0, 115, 26)  
}
```

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, 115, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 115, 26) }
```

## Border

The CSS property to change the border of an element to HunterLab 35.1227, -29.3597, 19.4787 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, 115, 26) }
```



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

```
.border{ border-color:rgb(0, 115, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 115, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 115, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 115, 26);  
box-shadow:4px 4px 4px 4px rgb(0, 115, 26)  
}
```

# Background

The CSS property to change the background color of an element to HunterLab 35.1227, -29.3597, 19.4787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 115, 26) }
```

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

```
.background{ background-color: rgb(0, 115,  
26) }
```

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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