

# Converting Colors

HunterLab(36.8881, -29.5955,  
17.7808)

Have a look what the booklet for  
HunterLab(36.8881, -29.5955,  
17.7808) contains.

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# Color

**HunterLab(36.9410,  
-29.6146, 17.7563)**

# Conversions

## Conversions Part 1

Format	Color
Hex	007830
RGB	0, 120, 48
RGB Percent	0%, 47%, 19%
CMY	1.0000, 0.5294, 0.8118
CMYK	1.00, 0.00, 0.60, 0.53
HSL	144°, 100%, 24%
HSV	144°, 100%, 47%
XYZ	7.2500, 13.6464, 5.0483
YIQ	75.9120, -48.4080, -47.8320

# Conversions

## Conversions Part 2

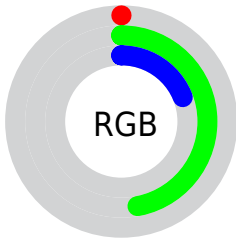
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 86, 120
Decimal	30768
CIELab	43.72, -45.37, 31.12
CIELCh	44, 55.017, 145.555
Yxy	13.6469, 0.2794, 0.5260
Android (android.graphics.Color)	4278220848 (0xFF007830)
YUV	75.9120, -13.7606, -66.5748
Hunter-Lab	36.9410, -29.6146, 17.7563

# Details

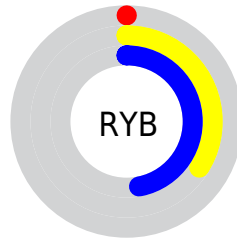
The HunterLab color **36.9410, -29.6146, 17.7563** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **21.1215, 38.3860, -3.5237**, and the grayscale version is **26.9128, -1.4360, 1.4622**.

A 20% lighter version of the original color is **56.8051, -36.4512, 22.8145**, and **20.9292, -17.9468, 12.5823** is the 20% darker color. If you saturate the color by 10%, you get **36.9417, -29.6151, 17.7566**, and if you desaturate by 10%, it is **37.1342, -28.6310, 16.5690**.

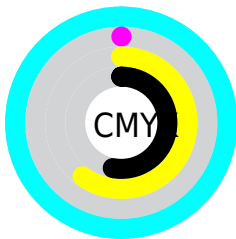
# Distribution



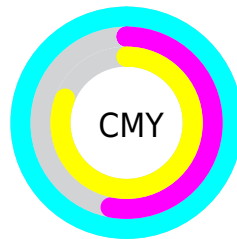
- Red (0%)
- Green (47%)
- Blue (19%)



- Red (0%)
- Yellow (34%)
- Blue (47%)



- Cyan (100%)
- Magenta (0%)
- Yellow (60%)
- Black (53%)



- Cyan (100%)
- Magenta (53%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 36.9410, -29.6146, 17.7563 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 36.9410, -29.6146, 17.7563 by changing the saturation by 10% instead.



■ 36.9410, -29.6146,  
17.7563

■ 36.9410, -29.6146,  
17.7563

146.6367,  
-56.7010, 38.2554

■ 28.0633, -25.7874,  
14.9614

■ 56.9748, -36.4988,  
22.8536

■ 20.0385, -21.5679,  
12.0034

■ 68.0242, -39.6733,  
25.2307

■ 12.9699, -18.0688,  
9.0789

■ 79.7079, -42.7191,  
27.5265

■ 6.4193, -11.2338,  
4.4935

■ 91.9931, -45.6607,  
29.7578

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 104.8517,  
-48.5168, 31.9374

0.0000, NaN, NaN

■ 118.2592,

0.0000, NaN, NaN

-51.3017, 34.0753

0.0000, NaN, NaN

132.1939,  
-54.0267, 36.1792

36.9410, -29.6146,  
17.7563

36.9410, -29.6146,  
17.7563

36.9417, -29.6151,  
17.7566

37.1342, -28.6310,  
16.5690

37.3898, -27.3636,  
15.2413

37.7436, -25.6758,  
13.8088

38.2034, -23.5507,  
12.2885

38.7742, -20.9871,  
10.6988

■ 39.4590, -17.9967,  
9.0586

■ 40.2591, -14.6016,  
7.3870

■ 41.1738, -10.8319,  
5.7017

■ 42.2015, -6.7227,  
4.0194

# Harmonies

## Analogous

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



36.9418, -17.7592, 22.5452



36.9410, -29.6146, 17.7563



36.9418, -34.1069, 4.8524

# Triad

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



36.9418, -29.6150, 17.7565



36.9418, -5.0361, -60.0088



36.9418, 41.7204, 14.9924

# Complementary

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



36.9410, -29.6146, 17.7563



21.1215, 38.3860, -3.5237

# 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.



36.9418, 47.2347, -1.0761



36.9410, -29.6146, 17.7563



36.9418, 17.0094, -51.7719

# Square

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



36.9418, -29.6150, 17.7565



36.9418, -22.0655, -45.4450



36.9418, 37.3507, -26.8035



36.9418, 23.6145, 21.6852



# Rectangle

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



36.9410, -29.6146, 17.7563



36.9418, -33.2627, -9.7794



36.9418, 37.3507, -26.8035



36.9418, 45.2583, 10.8634

# Sweetspot

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



36.9418, -29.6150, 17.7565



53.3074, -19.7133, 9.9605



38.4854, -23.8004, 23.2978



25.7681, -10.3671, 5.2187



78.7982, -4.2045, 4.2813



27.9800, -1.4929, 1.5202



# Same Dimension

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



36.9418, -29.6150, 17.7565



48.9657, -39.4346, 23.9252



38.1002, -22.5254, 1.0041



21.1520, -3.1663, 1.9334



38.5807, -30.9535, 18.5973



84.1683, -68.1906, 42.0009



# Inverse Universe

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



21.1215, 38.3860, -3.5237



27.9630, 50.7345, -4.0013



20.0495, 34.4674, 11.9291



20.1287, 1.0428, 0.3329



22.0540, 40.0696, -3.5898



47.9887, 86.8698, -5.3289



# Previews

## White Background



This preview shows how the HunterLab color 36.9410, -29.6146, 17.7563 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 36.9410, -29.6146, 17.7563 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 36.9410, -29.6146, 17.7563 Background



This preview shows how black text looks on a background with the HunterLab color 36.9410, -29.6146, 17.7563.



This preview shows how white text looks on a background with the HunterLab color 36.9410,

-29.6146, 17.7563.

# 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

36.9410, -29.6146, 17.7563

### Protanopia

36.7692, -4.3601, 18.8953

### Deuteranopia

36.6570, 2.2588, 16.9825



## Tritanopia

37.2072, -14.0826, -6.6599

# Trichromacy



## Original Color

36.9410, -29.6146, 17.7563



## Protanomaly

35.4164, -18.1810, 17.3490



## Deuteranomaly

35.0164, -14.9815, 15.8137



## Tritanomaly

36.8894, -21.6074, 4.9521

# Monochromacy



## Original Color

36.9410, -29.6146, 17.7563



## Achromatopsia

26.8834, -1.4344, 1.4606



## Achromatomaly

29.4551, -15.0075, 7.5124

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 36.9410, -29.6146, 17.7563 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, 120, 48)` looks like.

```
.text, #text, p{  
    color:rgb(0, 120, 48)  
}
```

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, 120, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 120, 48) }
```

## Border

The CSS property to change the border of an element to HunterLab 36.9410, -29.6146, 17.7563 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, 120, 48) }
```



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

```
.border{ border-color:rgb(0, 120, 48) }
```

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

Here you see how a box with a 4 pixel rgb(0, 120, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 120, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 120, 48);  
box-shadow:4px 4px 4px 4px rgb(0, 120, 48)  
}
```

# Background

The CSS property to change the background color of an element to HunterLab 36.9410, -29.6146, 17.7563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 120, 48) }
```

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

```
.background{ background-color: rgb(0, 120,  
48) }
```

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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