

# Converting Colors

HunterLab(46.9400, -17.1195,  
28.2746)

Have a look what the booklet for  
HunterLab(46.9400, -17.1195,  
28.2746) contains.

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# Color

**HunterLab(47.0364,  
-17.1590, 28.3212)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7B890A
RGB	123, 137, 10
RGB Percent	48%, 54%, 4%
CMY	0.5176, 0.4627, 0.9607
CMYK	0.10, 0.00, 0.93, 0.46
HSL	67°, 86%, 29%
HSV	67°, 93%, 54%
XYZ	17.1689, 22.1242, 3.6527
YIQ	118.3360, 32.4230, -42.4650

# Conversions

## Conversions Part 2

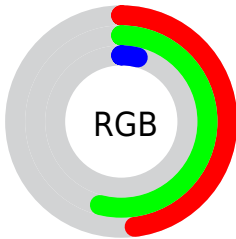
<b>Format</b>	<b>Color</b>
<b>RYB</b>	10, 137, 24
Decimal	8096010
CIELab	54.16, -19.77, 56.46
CIELCh	54, 59.819, 109.296
Yxy	22.1252, 0.3998, 0.5152
Android (android.graphics.Color)	4286286090 (0xFF7B890A)
YUV	118.3360, -53.4096, 4.0903
Hunter-Lab	47.0364, -17.1590, 28.3212

# Details

The HunterLab color **47.0364, -17.1590, 28.3212** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **14.8928, 33.8819, -84.4563**, and the grayscale version is **42.8860, -2.2883, 2.3301**.

A 20% lighter version of the original color is **68.4679, -20.2979, 36.5252**, and **28.4929, -12.6880, 17.3351** is the 20% darker color. If you saturate the color by 10%, you get **46.9280, -17.6228, 28.6083**, and if you desaturate by 10%, it is **47.2021, -16.4472, 27.7320**.

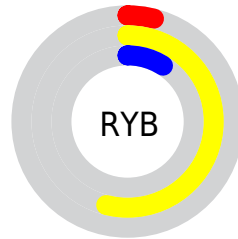
# Distribution



Red (48%)

Green (54%)

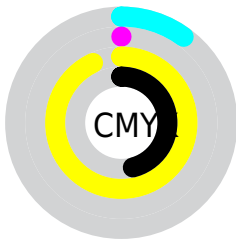
Blue (4%)



Red (4%)

Yellow (54%)

Blue (9%)

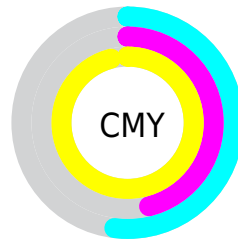


Cyan (10%)

Magenta (0%)

Yellow (93%)

Black (46%)



Cyan (52%)

Magenta (46%)

Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 47.0364, -17.1590, 28.3212 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 47.0364, -17.1590, 28.3212 by changing the saturation by 10% instead.



■ 47.0364, -17.1590,  
28.3212

■ 47.0364, -17.1590,  
28.3212

162.2343,  
-31.6381, 60.8324

■ 37.3483, -15.4089,  
23.8625

■ 68.5222, -20.5123,  
36.5426

■ 28.4344, -13.5775,  
19.5488

■ 80.2328, -22.1397,  
40.3703

■ 20.3703, -11.6269,  
14.2592

■ 92.5437, -23.7465,  
44.0472

■ 13.2572, -9.4871,  
9.2800

■ 105.4268,  
-25.3386, 47.5957

■ 6.7860, -11.8755,  
4.7502

■ 118.8578,  
-26.9206, 51.0345

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 132.8151,

-28.4960, 54.3787

0.0000, NaN, NaN

147.2797,  
-30.0678, 57.6411

0.0000, NaN, NaN

47.0364, -17.1590,  
28.3212

47.0364, -17.1590,  
28.3212

46.9280, -17.6228,  
28.6083

47.2021, -16.4472,  
27.7320

47.3981, -15.5585,  
26.7020

47.6292, -14.4755,  
25.1805

47.8982, -13.1842,  
23.1285

48.2074, -11.6747,  
20.5170

■ 48.5588, -9.9401,  
17.3250

■ 48.9537, -7.9767,  
13.5391

■ 49.3935, -5.7830,  
9.1522

■ 49.8788, -3.3601,  
4.1633

# Harmonies

## Analogous

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



47.0375, 6.6110, 28.8005



47.0364, -17.1590, 28.3212



47.0375, -33.2985, 23.4833

# Triad

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



47.0375, -17.1605, 28.3215



47.0375, -29.5837, -45.9935



47.0375, 53.6508, -6.5993

# Complementary

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



47.0364, -17.1590, 28.3212



14.8928, 33.8819, -84.4563

# 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.



47.0375, 39.0408, -37.3123



47.0364, -17.1590, 28.3212



47.0375, -10.9893, -66.6980

# Square

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



47.0375, -17.1605, 28.3215



47.0375, -39.3837, -14.8909



47.0375, 14.1815, -62.8910



47.0375, 51.0484, 15.1465



# Rectangle

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



47.0364, -17.1590, 28.3212



47.0375, -39.1197, 15.8651



47.0375, 14.1815, -62.8910



47.0375, 50.4883, -16.3135

# Sweetspot

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



47.0375, -17.1605, 28.3215



65.1884, -12.2682, 21.2162



24.3762, 35.4947, 14.9426



30.7816, -6.2642, 10.9129



83.1908, -4.4389, 4.5199



31.6988, -1.6914, 1.7223



# Same Dimension

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



47.0375, -17.1605, 28.3215



62.7633, -23.7140, 38.2593



43.4745, -31.2703, 25.8493



24.1194, -2.4103, 3.6294



45.2943, -16.9948, 27.6126



3.7416, -1.1971, 2.2846



# Inverse Universe

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



14.8928, 33.8819, -84.4563



18.3845, 49.0770, -124.4979



20.0296, 40.5303, -57.0094



22.1742, 0.0163, -1.3251



13.3448, 35.4603, -89.1037



1.2168, 3.0023, -6.3338



# Previews

## White Background



This preview shows how the HunterLab color 47.0364, -17.1590, 28.3212 looks on a white 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



# Black Background



This preview shows how the HunterLab color 47.0364, -17.1590, 28.3212 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

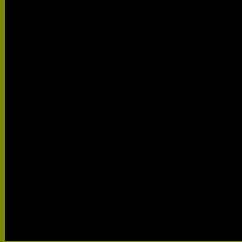
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

## HunterLab 47.0364, -17.1590, 28.3212 Background



This preview shows how black text looks on a background with the HunterLab color 47.0364, -17.1590, 28.3212.



This preview shows how white text looks on a background with the HunterLab color 47.0364, -17.1590, 28.3212.

-17.1590, 28.3212.

# 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

47.0364, -17.1590, 28.3212

### Protanopia

46.9970, -6.7988, 28.6592

### Deuteranopia

46.9283, 2.9359, 27.8064



## Tritanopia

46.8737, 0.9024, -1.0369

# Trichromacy



## Original Color

47.0364, -17.1590, 28.3212

## Protanomaly

47.1102, -10.8039, 28.5869

## Deuteranomaly

46.6741, -4.9695, 27.8327

## Tritanomaly

46.5350, -8.3336, 15.9184

# Monochromacy



## Original Color

47.0364, -17.1590, 28.3212

## Achromatopsia

42.5634, -2.2711, 2.3126

## Achromatomaly

43.8461, -9.5964, 16.8471

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 47.0364, -17.1590, 28.3212 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(123, 137, 10)` looks like.

```
.text, #text, p{  
    color:rgb(123, 137, 10)  
}
```

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(123, 137, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 137, 10) }
```

## Border

The CSS property to change the border of an element to HunterLab 47.0364, -17.1590, 28.3212 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(123, 137, 10) }
```



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

```
.border{ border-color:rgb(123, 137, 10) }
```

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

Here you see how a box with a 4 pixel rgb(123, 137, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 137, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 137, 10);  
box-shadow:4px 4px 4px 4px rgb(123, 137,  
10) }
```

# Background

The CSS property to change the background color of an element to HunterLab 47.0364, -17.1590, 28.3212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 137, 10) }
```

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

```
.background{ background-color: rgb(123,  
137, 10) }
```

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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