

# Converting Colors

HunterLab(36.5176, -17.2402,  
12.1147)

Have a look what the booklet for  
HunterLab(36.5176, -17.2402,  
12.1147) contains.

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# Color

**HunterLab(36.6003,  
-17.4146, 12.3164)**

# Conversions

## Conversions Part 1

Format	Color
Hex	477048
RGB	71, 112, 72
RGB Percent	28%, 44%, 28%
CMY	0.7216, 0.5608, 0.7176
CMYK	0.37, 0.00, 0.36, 0.56
HSL	121°, 22%, 36%
HSV	121°, 37%, 44%
XYZ	9.5624, 13.3958, 8.2126
YIQ	95.1810, -11.5960, -21.1320

# Conversions

## Conversions Part 2

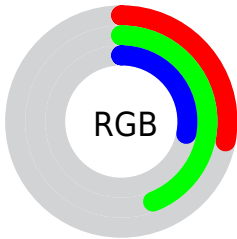
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	71, 111, 112
Decimal	4681800
CIE <sub>Lab</sub>	43.35, -23.29, 17.83
CIE <sub>LCh</sub>	43, 29.331, 142.558
Yxy	13.3964, 0.3068, 0.4298
Android (android.graphics.Color)	4282871880 (0xFF477048)
YUV	95.1810, -11.4282, -21.2067
Hunter-Lab	36.6003, -17.4146, 12.3164

# Details

The HunterLab color  $36.6003, -17.4146, 12.3164$  is a dark color, and the websafe version is hex  $336633$ . A complement of this color would be  $30.1648, 17.0675, -10.6742$ , and the grayscale version is  $33.9407, -1.8110, 1.8441$ .

A 20% lighter version of the original color is  $56.5653, -21.3232, 15.5215$ , and  $19.8313, -13.1353, 8.7054$  is the 20% darker color. If you saturate the color by 10%, you get  $35.8902, -20.5818, 14.4443$ , and if you desaturate by 10%, it is  $37.4368, -13.7805, 9.8895$ .

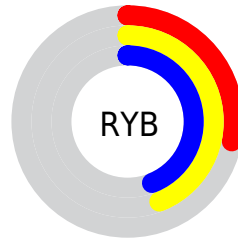
# Distribution



Red (28%)

Green (44%)

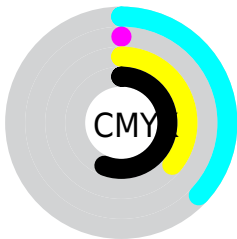
Blue (28%)



Red (28%)

Yellow (44%)

Blue (44%)

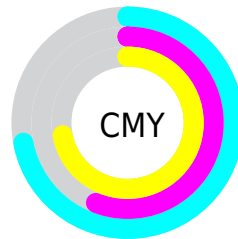


Cyan (37%)

Magenta (0%)

Yellow (36%)

Black (56%)



Cyan (72%)

Magenta (56%)

Yellow (72%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 36.6003, -17.4146, 12.3164 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 36.6003, -17.4146, 12.3164 by changing the saturation by 10% instead.



■ 36.6003, -17.4146,  
12.3164

■ 36.6003, -17.4146,  
12.3164

146.0968,  
-33.7406, 26.2203

■ 27.7526, -15.3141,  
10.5785

■ 56.5810, -21.3243,  
15.5812

■ 19.7608, -13.0543,  
8.7217

■ 67.6064, -23.1839,  
17.1486

■ 12.7299, -10.5449,  
7.2199

■ 79.2674, -25.0014,  
18.6896

■ 6.0940, -10.6645,  
4.2658

■ 91.5310, -26.7869,  
20.2122

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 104.3690,  
-28.5484, 21.7225

0.0000, NaN, NaN

117.7567,

0.0000, NaN, NaN

-30.2916, 23.2251

0.0000, NaN, NaN

131.6724,  
-32.0211, 24.7235

■ 36.6003, -17.4146,  
12.3164

■ 36.6003, -17.4146,  
12.3164

■ 35.8902, -20.5818,  
14.4443

■ 37.4368, -13.7805,  
9.8895

■ 35.3037, -23.2499,  
16.2510

■ 38.3960, -9.7176,  
7.1897

■ 34.8390, -25.4021,  
17.7236

■ 39.4759, -5.2720,  
4.2481

■ 34.4911, -27.0377,  
18.8596

■ 40.6724, -0.4921,  
1.0966

■ 34.2521, -28.1753,  
19.6685

■ 41.9808, 4.5744,  
-2.2334

■ 34.0991, -28.9075,  
20.1841

■ 43.3955, 9.8821,  
-5.7120

■ 34.0512, -29.1361,  
20.3354

■ 44.9110, 15.3893,  
-9.3123

■ 46.5214, 21.0592,  
-13.0104

■ 48.2208, 26.8598,  
-16.7858

# Harmonies

## Analogous

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



36.6011, -9.7929, 16.2266



36.6003, -17.4146, 12.3164



36.6011, -20.8161, 4.5273

# Triad

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



36.6011, -17.4153, 12.3167



36.6011, -4.6803, -24.4209



36.6011, 19.9303, 8.9606

# Complementary

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



36.6003, -17.4146, 12.3164



30.1648, 17.0675, -10.6742

# 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.



36.6011, 21.7212, -0.7381



36.6003, -17.4146, 12.3164



36.6011, 6.6037, -22.1742

# Square

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



36.6011, -17.4153, 12.3167



36.6011, -14.0553, -18.0876



36.6011, 16.5925, -12.6367



36.6011, 11.9555, 14.7308



# Rectangle

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



36.6003, -17.4146, 12.3164



36.6011, -20.5556, -2.7060



36.6011, 16.5925, -12.6367



36.6011, 21.3113, 6.1401

# Sweetspot

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



36.6011, -17.4153, 12.3167



51.6318, -9.8042, 7.4923



39.2989, -7.3295, 15.0937



25.2367, -5.0962, 3.8647



76.6170, -4.0881, 4.1627



26.1505, -1.3953, 1.4208



# Same Dimension

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



36.6011, -17.4153, 12.3167



47.6956, -26.7086, 18.7600



37.0195, -14.9613, 6.2650



19.4021, -3.1515, 2.4607



36.6105, -31.3310, 21.8747



81.7001, -70.0000, 48.9919



# Inverse Universe

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



30.1648, 17.0675, -10.6742



37.4201, 28.6239, -18.1132



29.5019, 13.8143, -1.3877



18.5799, 1.2164, -0.4538



22.9454, 44.8843, -28.5021

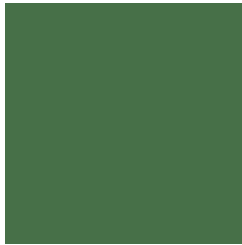


51.1931, 100.1116, -63.3668



# Previews

## White Background



This preview shows how the HunterLab color 36.6003, -17.4146, 12.3164 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 36.6003, -17.4146, 12.3164 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

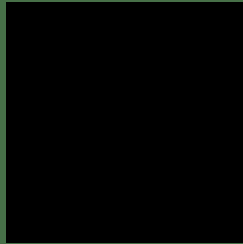
Any Text WCAG AA × Fail

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 36.6003, -17.4146, 12.3164 Background



This preview shows how black text looks on a background with the HunterLab color 36.6003, -17.4146, 12.3164.



This preview shows how white text looks on a background with the HunterLab color 36.6003,

-17.4146, 12.3164.

# 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

36.6003, -17.4146, 12.3164

### Protanopia

36.4686, -3.3701, 13.5217

### Deuteranopia

36.4806, 2.3265, 11.7012



## Tritanopia

36.6271, -7.6793, -3.8205

# Trichromacy



## Original Color

36.6003, -17.4146, 12.3164

## Protanomaly

36.3656, -9.3907, 13.0644

## Deuteranomaly

36.1642, -5.6379, 11.5641

## Tritanomaly

36.5713, -11.7684, 3.1916

# Monochromacy



## Original Color

36.6003, -17.4146, 12.3164

## Achromatopsia

33.8283, -1.8050, 1.8380

## Achromatomaly

34.6033, -7.8790, 5.7349

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 36.6003, -17.4146, 12.3164 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(71, 112, 72)` looks like.

```
.text, #text, p{  
    color:rgb(71, 112, 72)  
}
```

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(71, 112, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 112, 72) }
```

## Border

The CSS property to change the border of an element to HunterLab 36.6003, -17.4146, 12.3164 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(71, 112, 72) }
```



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

```
.border{ border-color:rgb(71, 112, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 112, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 112, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 112, 72);  
box-shadow:4px 4px 4px 4px rgb(71, 112,  
72) }
```

# Background

The CSS property to change the background color of an element to HunterLab 36.6003, -17.4146, 12.3164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 112, 72) }
```

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

```
.background{ background-color: rgb(71, 112,  
72) }
```

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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