

# Converting Colors

HunterLab(37.4420, -17.0707,  
-4.4868)

Have a look what the booklet for  
HunterLab(37.4420, -17.0707,  
-4.4868) contains.

<b>HunterLab(37.3186, -17.0272, -4.5330)</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(37.3186,  
-17.0272, -4.5330)**

# Conversions

## Conversions Part 1

Format	Color
Hex	237376
RGB	35, 115, 118
RGB Percent	14%, 45%, 46%
CMY	0.8627, 0.5490, 0.5373
CMYK	0.70, 0.03, 0.00, 0.54
HSL	182°, 54%, 30%
HSV	182°, 70%, 46%
XYZ	10.0939, 13.9268, 19.2957
YIQ	91.4220, -48.6430, -16.0270

# Conversions

## Conversions Part 2

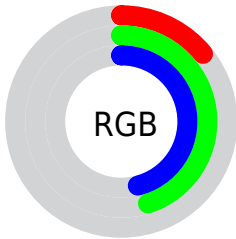
<b>Format</b>	<b>Color</b>
<b>RYB</b>	35, 76, 118
Decimal	2323318
CIELab	44.13, -22.39, -8.67
CIELCh	44, 24.012, 201.165
Yxy	13.9273, 0.2330, 0.3215
Android (android.graphics.Color)	4280513398 (0xFF237376)
YUV	91.4220, 13.1030, -49.4821
Hunter-Lab	37.3186, -17.0272, -4.5330

# Details

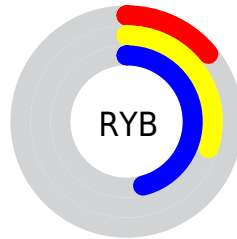
The HunterLab color  $37.3186, -17.0272, -4.5330$  is a dark color, and the websafe version is hex  $006666$ . A complement of this color would be  $23.1505, 24.7785, 10.6257$ , and the grayscale version is  $32.4674, -1.7324, 1.7640$ .

A 20% lighter version of the original color is  $57.3296, -20.6548, -4.3660$ , and  $20.8294, -10.2823, -3.8384$  is the 20% darker color. If you saturate the color by 10%, you get  $36.9560, -17.7704, -5.0370$ , and if you desaturate by 10%, it is  $37.7718, -15.9461, -3.9085$ .

# Distribution



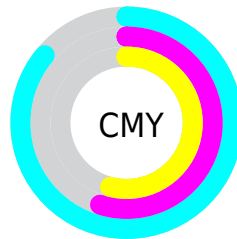
- Red (14%)
- Green (45%)
- Blue (46%)



- Red (14%)
- Yellow (30%)
- Blue (46%)



- Cyan (70%)
- Magenta (3%)
- Yellow (0%)
- Black (54%)



- Cyan (86%)
- Magenta (55%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 37.3186, -17.0272, -4.5330 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 37.3186, -17.0272, -4.5330 by changing the saturation by 10% instead.



37.3186, -17.0272,  
-4.5330

37.3186, -17.0272,  
-4.5330

147.2339,  
-32.9085, -1.8599

28.4080, -15.0025,  
-4.5446

57.4108, -20.8095,  
-4.2995

20.3466, -12.8328,  
-4.4748

68.4867, -22.6143,  
-4.0927

13.2367, -10.4358,  
-4.3118

80.1954, -24.3811,  
-3.8328

6.7605, -11.8310,  
-5.0076

92.5044, -26.1195,  
-3.5240

0.0000, NaN, NaN

0.0000, NaN, NaN

105.3858,  
-27.8365, -3.1695

0.0000, NaN, NaN

118.8151,

0.0000, NaN, NaN

-29.5376, -2.7724

0.0000, NaN, NaN

132.7708,  
-31.2272, -2.3352

■ 37.3186, -17.0272,  
-4.5330

■ 37.3186, -17.0272,  
-4.5330

■ 36.9560, -17.7704,  
-5.0370

■ 37.7718, -15.9461,  
-3.9085

■ 36.6746, -18.1976,  
-5.4290

■ 38.3185, -14.5162,  
-3.1627

■ 36.4464, -18.4404,  
-5.7473

■ 38.9626, -12.7371,  
-2.2962

■ 39.7058, -10.6167,  
-1.3130

■ 40.5484, -8.1695,  
-0.2191

■ 41.4895, -5.4153,  
0.9774

■ 42.5273, -2.3775,  
2.2678

■ 43.6592, 0.9185,  
3.6426

■ 44.8823, 4.4465,  
5.0922

# Harmonies

## Analogous

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



37.3193, -17.8392, 4.5122



37.3186, -17.0272, -4.5330



37.3193, -12.4000, -13.5031

# Triad

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



37.3193, -17.0273, -4.5325



37.3193, 12.7280, -10.0649



37.3193, 0.7483, 15.0763

# Complementary

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



37.3186, -17.0272, -4.5330



23.1505, 24.7785, 10.6257

# 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.



37.3193, 9.6958, 12.8604



37.3186, -17.0272, -4.5330



37.3193, 17.0367, -0.6324

# Square

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



37.3193, -17.0273, -4.5325



37.3193, 4.5756, -17.1948



37.3193, 15.8766, 7.5843



37.3193, -8.1370, 14.5136



# Rectangle

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



37.3186, -17.0272, -4.5330



37.3193, -7.5065, -17.5400



37.3193, 15.8766, 7.5843



37.3193, 3.8598, 14.6561

# Sweetspot

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



37.3193, -17.0273, -4.5325



53.6281, -11.2401, -0.4702



36.6782, -27.5995, 19.1848



25.5975, -5.7304, -0.3765



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.



37.3193, -17.0273, -4.5325



48.7767, -23.9384, -6.9957



25.5496, -0.0369, -24.0314



20.3315, -2.4593, 0.5573



37.9033, -19.1738, -5.9850



83.5042, -42.1235, -13.4405



# Inverse Universe

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



25.0834, 35.5719, -22.2608



30.9757, 54.3999, -33.8705



30.9901, 6.7658, 16.1715



19.3798, 1.2810, -0.4620



23.3972, 45.6564, -28.1981

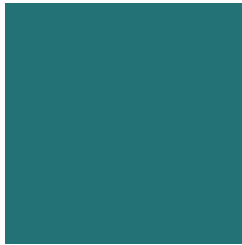


51.6223, 100.6920, -61.8909



# Previews

## White Background



This preview shows how the HunterLab color 37.3186, -17.0272, -4.5330 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 37.3186, -17.0272, -4.5330 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

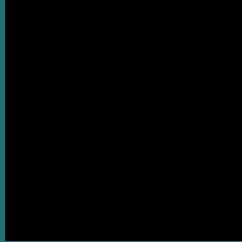
Any Text WCAG AA × Fail

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 37.3186, -17.0272, -4.5330 Background



This preview shows how black text looks on a background with the HunterLab color 37.3186, -17.0272, -4.5330.



This preview shows how white text looks on a background with the HunterLab color 37.3186,

-17.0272, -4.5330.

# 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

37.3186, -17.0272, -4.5330

### Protanopia

37.1366, -0.4442, -1.1346

### Deuteranopia

37.0837, 2.7262, -6.0227



## Tritanopia

37.2515, -15.3953, -7.1404

# Trichromacy



## Original Color

37.3186, -17.0272, -4.5330

## Protanomaly

36.5958, -7.8556, -3.3791

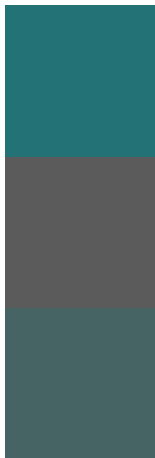
## Deuteranomaly

36.5645, -6.1266, -6.3897

## Tritanomaly

37.1597, -15.8817, -6.2425

# Monochromacy



## Original Color

37.3186, -17.0272, -4.5330

## Achromatopsia

32.3445, -1.7258, 1.7573

## Achromatomaly

33.7543, -8.8073, -0.9810

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 37.3186, -17.0272, -4.5330 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(35, 115, 118)` looks like.

```
.text, #text, p{  
    color:rgb(35, 115, 118)  
}
```

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(35, 115, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 115, 118) }
```

## Border

The CSS property to change the border of an element to HunterLab 37.3186, -17.0272, -4.5330 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(35, 115, 118) }
```



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

```
.border{ border-color:rgb(35, 115, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 115, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 115, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 115, 118);  
box-shadow:4px 4px 4px 4px rgb(35, 115,  
118) }
```

# Background

The CSS property to change the background color of an element to HunterLab 37.3186, -17.0272, -4.5330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 115, 118) }
```

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

```
.background{ background-color: rgb(35, 115,  
118) }
```

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](#).

# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor