

# Converting Colors

HunterLab(17.1676, -1.0716,  
0.5216)

Have a look what the booklet for  
HunterLab(17.1676, -1.0716, 0.5216)  
contains.

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# Color

**HunterLab(17.1464, -1.0278,  
0.4999)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2F3031
RGB	47, 48, 49
RGB Percent	18%, 19%, 19%
CMY	0.8157, 0.8118, 0.8078
CMYK	0.04, 0.02, 0.00, 0.81
HSL	210°, 2%, 19%
HSV	210°, 4%, 19%
XYZ	2.7836, 2.9400, 3.3265
YIQ	47.8150, -0.9170, 0.0990

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	47, 48, 49
Decimal	3092529
CIE <sub>Lab</sub>	19.80, -0.20, -0.79
CIE <sub>LCh</sub>	20, 0.819, 255.950
Yxy	2.9401, 0.3076, 0.3249
Android (android.graphics.Color)	4281282609 (0xFF2F3031)
YUV	47.8150, 0.5842, -0.7148
Hunter-Lab	17.1464, -1.0278, 0.4999

# Details

The HunterLab color **17.1464, -1.0278, 0.4999** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **17.2397, -0.7986, 1.3599**, and the grayscale version is **17.1292, -0.9140, 0.9307**.

A 20% lighter version of the original color is **33.4048, -1.9104, 1.3346**, and **0.4681, 1.2698, -3.3263** is the 20% darker color. If you saturate the color by 10%, you get **16.2340, -1.2178, -0.6305**, and if you desaturate by 10%, it is **18.0803, -0.7852, 1.5984**.

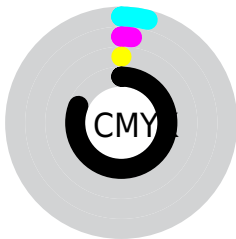
# Distribution



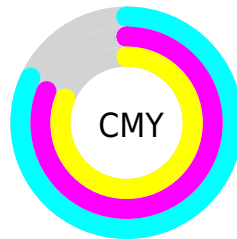
- Red (18%)
- Green (19%)
- Blue (19%)



- Red (18%)
- Yellow (19%)
- Blue (19%)



- Cyan (4%)
- Magenta (2%)
- Yellow (0%)
- Black (81%)



- Cyan (82%)
- Magenta (81%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 17.1464, -1.0278, 0.4999 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 17.1464, -1.0278, 0.4999 by changing the saturation by 10% instead.



■ 17.1464, -1.0278,  
0.4999

■ 17.1464, -1.0278,  
0.4999

■ 112.9397, -6.2430,  
5.3431

■ 10.4907, -0.6557,  
0.2015

■ 33.3651, -1.9224,  
1.2779

0.0000, NaN, -NF

0.0000, NaN, NaN

■ 42.7244, -2.4344,  
1.7418

0.0000, NaN, NaN

■ 52.8248, -2.9850,  
2.2494

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 63.6154, -3.5718,  
2.7972

0.0000, NaN, NaN

■ 75.0547, -4.1927,  
3.3825

0.0000, NaN, NaN

■ 87.1077, -4.8458,

0.0000, NaN, NaN

4.0032

99.7447, -5.5297,  
4.6572

■ 17.1464, -1.0278,  
0.4999

■ 17.1464, -1.0278,  
0.4999

■ 16.2340, -1.2178,  
-0.6305

■ 18.0803, -0.7852,  
1.5984

■ 15.3436, -1.3474,  
-1.7973

■ 19.0330, -0.4947,  
2.6675

■ 14.4776, -1.4096,  
-3.0036

■ 20.0035, -0.1616,  
3.7106

■ 13.6382, -1.3956,  
-4.2530

■ 20.9908, 0.2098,  
4.7305

■ 12.8279, -1.2961,  
-5.5486

■ 21.9936, 0.6156,  
5.7298

■ 12.0493, -1.1007,  
-6.8927

■ 23.0112, 1.0527,  
6.7109

■ 11.3056, -0.7984,  
-8.2863

■ 24.0426, 1.5180,  
7.6757

■ 10.5957, -0.3934,  
-9.7376

■ 25.0870, 2.0092,  
8.6263

■ 9.8897, 0.0108,  
-11.3263

■ 26.1439, 2.5241,  
9.5641

# Harmonies

## Analogous

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



17.1468, -1.2368, 0.6135



17.1464, -1.0278, 0.4999



17.1468, -0.7883, 0.5041

# Triad

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



17.1468, -1.0282, 0.5002



17.1468, -0.4680, 1.0540



17.1468, -1.2476, 1.2370

# Complementary

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



17.1464, -1.0278, 0.4999



17.2397, -0.7986, 1.3599

# 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.



17.1468, -1.0430, 1.3518



17.1464, -1.0278, 0.4999



17.1468, -0.5924, 1.2472

# Square

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



17.1468, -1.0282, 0.5002



17.1468, -0.4640, 0.8260



17.1468, -0.8032, 1.3555



17.1468, -1.3631, 1.0400



# Rectangle

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



17.1464, -1.0278, 0.4999



17.1468, -0.6429, 0.5726



17.1468, -0.8032, 1.3555



17.1468, -1.1870, 1.2864

# Sweetspot

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



17.1468, -1.0282, 0.5002



22.4294, -1.2355, 1.0759



17.3613, -1.5585, 1.1332



12.3201, -0.6756, 0.6022



59.5560, -3.1778, 3.2358



12.3795, -0.6605, 0.6726



# Same Dimension

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



17.1468, -1.0282, 0.5002



21.9272, -1.3561, 0.4729



16.9169, -0.6453, 0.2287



9.7478, -0.5984, 0.2286



16.0534, 2.3676, -25.1763



39.7794, 10.7326, -72.8893



# Inverse Universe

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



17.0278, -0.2714, 0.7505



21.7305, -0.0993, 0.8918



17.4702, -1.1808, 1.6173



9.6652, -0.0714, 0.4039



15.2419, 27.3286, 0.3425

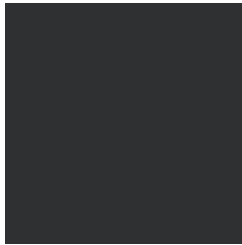


39.7573, 70.8348, 4.3794



# Previews

## White Background



This preview shows how the HunterLab color 17.1464, -1.0278, 0.4999 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

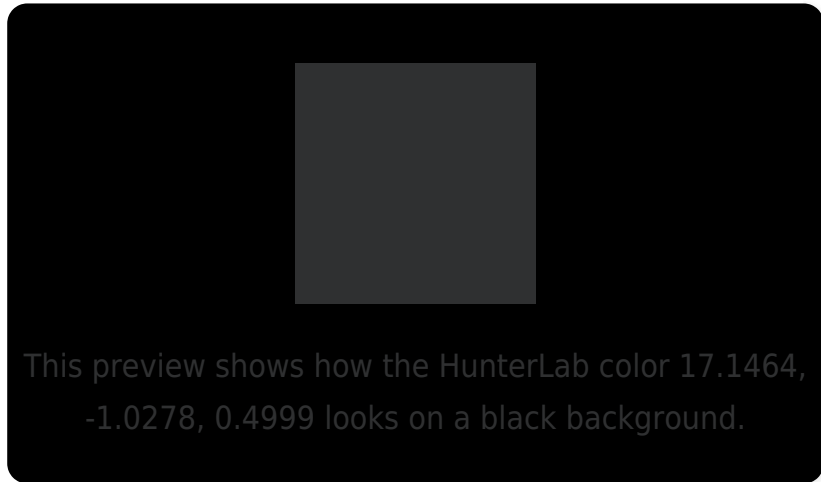
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

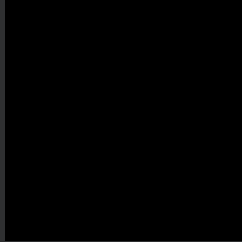
Any Text WCAG AA × Fail

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 17.1464, -1.0278, 0.4999 Background



This preview shows how black text looks on a background with the HunterLab color 17.1464, -1.0278, 0.4999.



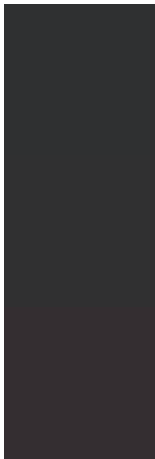
This preview shows how white text looks on a background with the HunterLab color 17.1464, -1.0278,

0.4999.

# 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

17.1464, -1.0278, 0.4999

### Protanopia

17.2164, -0.7845, 0.5881

### Deuteranopia

17.0464, 1.0337, 0.4155



**Tritanopia**

17.1967, -0.7524, -0.2149

# Trichromacy



## Original Color

17.1464, -1.0278, 0.4999

## Protanomaly

17.2164, -0.7845, 0.5881

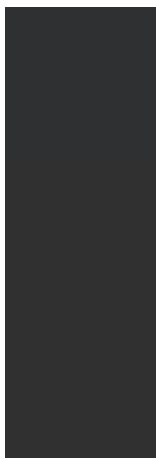
## Deuteranomaly

17.1257, 0.1136, 0.4950

## Tritanomaly

17.1713, -0.8914, 0.1459

# Monochromacy



## Original Color

17.1464, -1.0278, 0.4999

## Achromatopsia

17.1921, -0.9173, 0.9341

## Achromatomaly

17.1921, -0.9173, 0.9341

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 17.1464, -1.0278, 0.4999 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(47, 48, 49)` looks like.

```
.text, #text, p{  
    color:rgb(47, 48, 49)  
}
```

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(47, 48, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 48, 49) }
```

## Border

The CSS property to change the border of an element to HunterLab 17.1464, -1.0278, 0.4999 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(47, 48, 49) }
```



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

```
.border{ border-color:rgb(47, 48, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 48, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 48, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 48, 49);  
box-shadow:4px 4px 4px 4px rgb(47, 48, 49)  
}
```

# Background

The CSS property to change the background color of an element to HunterLab 17.1464, -1.0278, 0.4999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 48, 49) }
```

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

```
.background{ background-color: rgb(47, 48,  
49) }
```

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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