

# Converting Colors

HunterLab(28.7902, -4.4027,  
16.7275)

Have a look what the booklet for  
HunterLab(28.7902, -4.4027,  
16.7275) contains.

<b>HunterLab(28.7980, -4.4176, 16.7374)</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(28.7980, -4.4176,  
16.7374)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5B520F
RGB	91, 82, 15
RGB Percent	36%, 32%, 6%
CMY	0.6431, 0.6784, 0.9412
CMYK	0.00, 0.10, 0.84, 0.64
HSL	53°, 72%, 21%
HSV	53°, 84%, 36%
XYZ	7.4179, 8.2932, 1.6617
YIQ	77.0530, 26.8710, -18.9290

# Conversions

## Conversions Part 2

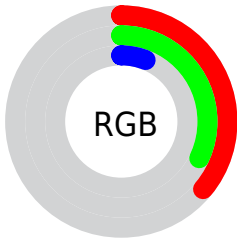
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	25, 91, 15
Decimal	5984783
CIE Lab	34.59, -4.37, 37.61
CIE LCh	35, 37.861, 96.631
Yxy	8.2936, 0.4270, 0.4774
Android (android.graphics.Color)	4284174863 (0xFF5B520F)
YUV	77.0530, -30.5921, 12.2315
Hunter-Lab	28.7980, -4.4176, 16.7374

# Details

The HunterLab color  $[28.7980, -4.4176, 16.7374]$  is a dark color, and the websafe version is hex  $666633$ . A complement of this color would be  $[12.2889, 13.5295, -39.9431]$ , and the grayscale version is  $[27.3614, -1.4599, 1.4866]$ .

A 20% lighter version of the original color is  $[47.4679, -5.8172, 23.0892]$ , and  $[13.7057, -2.5224, 8.4012]$  is the 20% darker color. If you saturate the color by 10%, you get  $[28.4796, -4.1882, 17.1228]$ , and if you desaturate by 10%, it is  $[29.1364, -4.5527, 16.1041]$ .

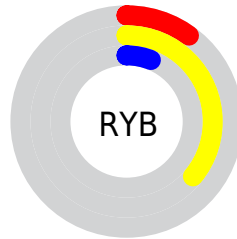
# Distribution



Red (36%)

Green (32%)

Blue (6%)



Red (10%)

Yellow (36%)

Blue (6%)

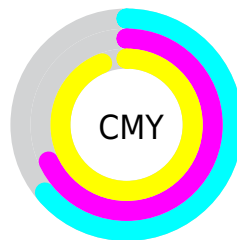


Cyan (0%)

Magenta (10%)

Yellow (84%)

Black (64%)



Cyan (64%)

Magenta (68%)

Yellow (94%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 28.7980, -4.4176, 16.7374 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 28.7980, -4.4176, 16.7374 by changing the saturation by 10% instead.



■ 28.7980, -4.4176,  
16.7374

■ 28.7980, -4.4176,  
16.7374

■ 133.4232,  
-11.9907, 41.4559

■ 20.6964, -3.6728,  
13.5295

■ 47.4680, -5.9575,  
23.1178

■ 13.5401, -2.9336,  
9.4780

■ 57.9044, -6.7558,  
26.0313

■ 7.1261, -3.0541,  
4.9883

■ 69.0101, -7.5750,  
28.8115

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 80.7470, -8.4156,  
31.4851

0.0000, NaN, NaN

■ 93.0829, -9.2775,  
34.0723

0.0000, NaN, NaN

■ 105.9898,

0.0000, NaN, NaN

-10.1607, 36.5887

0.0000, NaN, NaN

■ 119.4437,  
-11.0652, 39.0467

■ 28.7980, -4.4176,  
16.7374

■ 28.7980, -4.4176,  
16.7374

■ 28.4796, -4.1882,  
17.1228

■ 29.1364, -4.5527,  
16.1041

■ 28.2749, -4.0296,  
17.3523

■ 29.4961, -4.5709,  
15.1731

■ 29.8789, -4.4669,  
13.9298

■ 30.2857, -4.2365,  
12.3648

■ 30.7170, -3.8771,  
10.4732

■ 31.1732, -3.3875,  
8.2535

■ 31.6543, -2.7678,  
5.7077

■ 32.1606, -2.0191,  
2.8401

■ 32.6919, -1.1435,  
-0.3428

# Harmonies

## Analogous

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



28.7987, 9.2685, 16.1129



28.7980, -4.4176, 16.7374



28.7987, -15.2052, 15.0146

# Triad

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



28.7987, -4.4187, 16.7376



28.7987, -19.2491, -16.9431



28.7987, 25.7477, -9.7843

# Complementary

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



28.7980, -4.4176, 16.7374



12.2889, 13.5295, -39.9431

# 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.



28.7987, 15.2755, -25.4164



28.7980, -4.4176, 16.7374



28.7987, -10.9542, -30.6908

# Square

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



28.7987, -4.4187, 16.7376



28.7987, -22.7098, -1.3708



28.7987, 1.4602, -34.3423



28.7987, 28.3544, 4.2257



# Rectangle

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



28.7980, -4.4176, 16.7374



28.7987, -19.8607, 11.9580



28.7987, 1.4602, -34.3423



28.7987, 22.9491, -15.1820

# Sweetspot

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



28.7987, -4.4187, 16.7376



40.6237, -4.5889, 11.4849



16.2377, 22.8348, 7.0191



19.9079, -2.3274, 5.9637



70.1359, -3.7423, 3.8106



20.7927, -1.1094, 1.1297



# Same Dimension

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



28.7987, -4.4187, 16.7376



36.8587, -5.0912, 22.6230



29.2879, -15.3820, 16.8627



16.2631, -1.2413, 2.2477



34.3233, -4.7783, 21.0662



79.7921, -10.3476, 48.9864



# Inverse Universe

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



12.2889, 13.5295, -39.9431



12.6589, 25.5653, -71.0105



12.6799, 20.7452, -38.1033



15.2310, -0.3930, -0.6432



11.8556, 23.5049, -65.5588

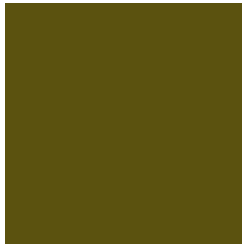


26.3767, 60.2575, -163.0472



# Previews

## White Background



This preview shows how the HunterLab color 28.7980, -4.4176, 16.7374 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

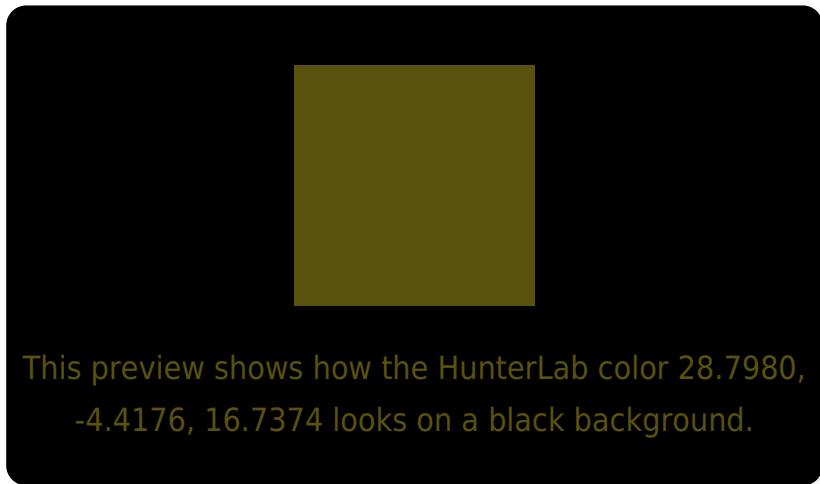
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

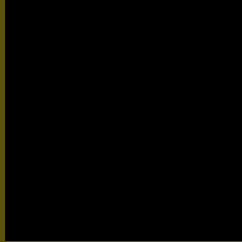
Any Text WCAG AA × Fail

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 28.7980, -4.4176, 16.7374 Background



This preview shows how black text looks on a background with the HunterLab color 28.7980, -4.4176, 16.7374.



This preview shows how white text looks on a background with the HunterLab color 28.7980, -4.4176,



# 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

28.7980, -4.4176, 16.7374

### Protanopia

28.8867, -4.1007, 16.8004

### Deuteranopia

28.6967, 1.7607, 16.5312



## Tritanopia

28.7487, 5.1440, 1.3418

# Trichromacy



## Original Color

28.7980, -4.4176, 16.7374

## Protanomaly

28.8867, -4.1007, 16.8004

## Deuteranomaly

28.7838, -0.4954, 16.6354

## Tritanomaly

28.5201, 0.8120, 9.2664

# Monochromacy



## Original Color

28.7980, -4.4176, 16.7374

## Achromatopsia

27.2422, -1.4536, 1.4801

## Achromatomaly

27.6625, -3.6174, 9.5019

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 28.7980, -4.4176, 16.7374 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(91, 82, 15)` looks like.

```
.text, #text, p{  
    color:rgb(91, 82, 15)  
}
```

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(91, 82, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 82, 15) }
```

## Border

The CSS property to change the border of an element to HunterLab 28.7980, -4.4176, 16.7374 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(91, 82, 15) }
```



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

```
.border{ border-color:rgb(91, 82, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 82, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 82, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 82, 15);  
box-shadow:4px 4px 4px 4px rgb(91, 82, 15)  
}
```

# Background

The CSS property to change the background color of an element to HunterLab 28.7980, -4.4176, 16.7374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 82, 15) }
```

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

```
.background{ background-color: rgb(91, 82,  
15) }
```

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