

# Converting Colors

HunterLab(46.7715, 6.2070,  
31.5644)

Have a look what the booklet for  
HunterLab(46.7715, 6.2070,  
31.5644) contains.

|                                            |    |
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# Color

**HunterLab(47.0009, 7.0386,  
29.0850)**

# Conversions

| Conversions Part 1 |                             |
|--------------------|-----------------------------|
| Format             | Color                       |
| Hex                | AB7800                      |
| RGB                | 171, 120, 0                 |
| RGB Percent        | 67%, 47%, 0%                |
| CMY                | 0.3294, 0.5294, 1.0000      |
| CMYK               | 0.00, 0.30, 1.00, 0.33      |
| HSL                | 42°, 100%, 34%              |
| HSV                | 42°, 100%, 67%              |
| XYZ                | 23.5110, 22.0908, 3.0248    |
| YIQ                | 121.5690, 68.9160, -26.5080 |

# Conversions

## Conversions Part 2

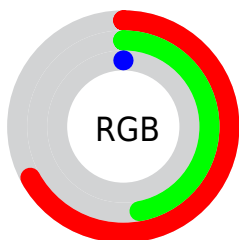
| Format                              | Color                                       |
|-------------------------------------|---------------------------------------------|
| <a href="#">RYB</a>                 | <a href="#">73, 171, 0</a>                  |
| Decimal                             | <a href="#">11237376</a>                    |
| CIELab                              | <a href="#">54.12, 11.61, 60.33</a>         |
| CIELCh                              | <a href="#">54, 61.436, 79.107</a>          |
| Yxy                                 | <a href="#">22.0920, 0.4835, 0.4543</a>     |
| Android<br>(android.graphics.Color) | <a href="#">4289427456</a><br>(0xFFAB7800)  |
| YUV                                 | <a href="#">121.5690, -59.9335, 43.3510</a> |
| Hunter-Lab                          | <a href="#">47.0009, 7.0386, 29.0850</a>    |

# Details

The HunterLab color **47.0009, 7.0386, 29.0850** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **23.0392, 25.8045, -84.5004**, and the grayscale version is **44.1557, -2.3560, 2.3991**.

A 20% lighter version of the original color is **68.4743, 7.0982, 37.8549**, and **28.6568, 7.5100, 17.7897** is the 20% darker color. If you saturate the color by 10%, you get **47.0016, 7.0370, 29.0853**, and if you desaturate by 10%, it is **48.3656, 4.8333, 29.2318**.

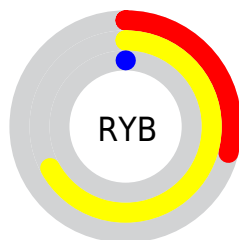
# Distribution



Red (67%)

Green (47%)

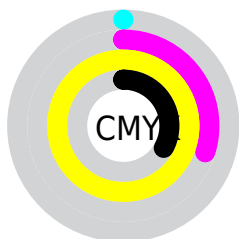
Blue (0%)



Red (29%)

Yellow (67%)

Blue (0%)

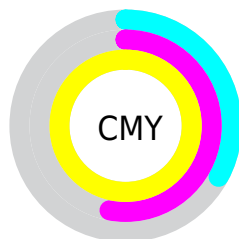


Cyan (0%)

Magenta (30%)

Yellow (100%)

Black (33%)



Cyan (33%)

Magenta (53%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the HunterLab color 47.0009, 7.0386, 29.0850 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 47.0009, 7.0386, 29.0850 by changing the saturation by 10% instead.





 47.0009, 7.0386,  
29.0850


 47.0009, 7.0386,  
29.0850

162.1808, 5.4583,  
63.5589


 37.3155, 6.9025,  
24.3612


 68.4821, 7.0741,  
37.8161

 28.4045, 6.6768,  
19.8832


 80.1906, 6.9951,  
41.8820

 20.3435, 6.3414,  
14.2405

 92.4993, 6.8589,  
45.7855

 13.2340, 5.8705,  
9.2638

 105.3805, 6.6701,  
49.5500

 6.7572, 7.1261,  
4.7301

 118.8095, 6.4326,  
53.1946


0.0000, NaN, NaN

0.0000, NaN, NaN

 132.7651, 6.1497,

56.7357


0.0000, NaN, NaN

 147.2279, 5.8241,  
60.1867

0.0000, NaN, NaN

 47.0009, 7.0386,  
29.0850


 47.0009, 7.0386,  
29.0850


 47.0016, 7.0370,  
29.0853

 48.3656, 4.8333,  
29.2318

 49.7937, 2.8247,  
28.9115

 51.2956, 1.0742,  
27.9658

 52.8720, -0.4015,  
26.3666

 54.5222, -1.5946,  
24.1074

■ 56.2448, -2.5034,  
21.1962

■ 58.0379, -3.1313,  
17.6505

■ 59.8991, -3.4846,  
13.4944

■ 61.8260, -3.5723,  
8.7558

# Harmonies

## Analogous

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



47.0021, 33.7454, 25.8130



47.0009, 7.0386, 29.0850



47.0021, -17.3913, 28.6386

# Triad

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



47.0021, 7.0361, 29.0854



47.0021, -40.1971, -15.2403



47.0021, 40.1834, -38.9129

# Complementary

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



47.0009, 7.0386, 29.0850



23.0392, 25.8045, -84.5004

# 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.



47.0021, 14.4884, -65.4934



47.0009, 7.0386, 29.0850



47.0021, -30.2949, -47.5582

# Square

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



47.0021, 7.0361, 29.0854



47.0021, -41.3628, 10.4872



47.0021, -11.3511, -69.2981



47.0021, 55.4026, -7.0491



# Rectangle

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



47.0009, 7.0386, 29.0850



47.0021, -29.4172, 26.1589



47.0021, -11.3511, -69.2981



47.0021, 32.2608, -49.3472

# Sweetspot

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



47.0021, 7.0361, 29.0854



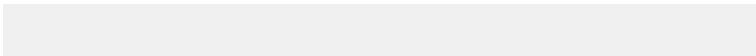
77.5398, -4.1550, 23.8957



29.8324, 51.8978, 12.9964



36.1486, -1.8171, 12.2408



93.2148, -4.9737, 5.0645



40.3295, -2.1519, 2.1912



# Same Dimension

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



47.0021, 7.0361, 29.0854



62.5927, 9.9934, 38.7443



58.6746, -27.0919, 35.6805



29.8676, -1.7204, 4.0549



40.9254, 5.8934, 25.3212



7.4518, -0.1278, 4.5895



# Inverse Universe

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



23.0392, 25.8045, -84.5004



30.3005, 36.0599, -115.7159



18.1217, 47.2564, -114.0597



28.5168, -1.2912, -1.0644



20.2071, 21.8321, -72.3864

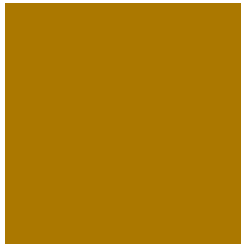


4.5852, 0.8691, -7.6073



# Previews

## White Background



This preview shows how the HunterLab color 47.0009, 7.0386, 29.0850 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

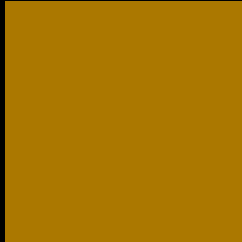
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the HunterLab color 47.0009, 7.0386, 29.0850 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 47.0009, 7.0386, 29.0850 Background



This preview shows how black text looks on a background with the HunterLab color 47.0009, 7.0386, 29.0850.



This preview shows how white text looks on a background with the HunterLab color 47.0009, 7.0386,



# 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

47.0009, 7.0386, 29.0850

### Protanopia

47.1089, -6.3720, 28.5182

### Deuteranopia

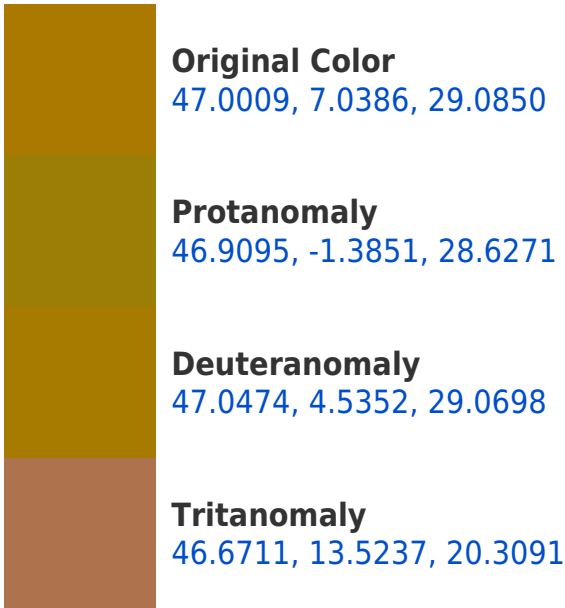
46.9664, 2.9146, 28.9915



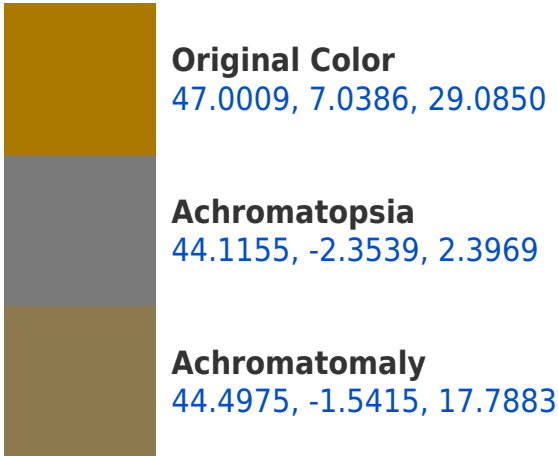
## Tritanopia

47.0898, 20.2765, 6.9985

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 47.0009, 7.0386, 29.0850 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(171, 120, 0)` looks like.

```
.text, #text, p{  
    color:rgb(171, 120, 0)  
}
```

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(171, 120, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 120, 0) }
```

## Border

The CSS property to change the border of an element to HunterLab 47.0009, 7.0386, 29.0850 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(171, 120, 0) }
```



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

```
.border{ border-color:rgb(171, 120, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 120, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 120, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 120, 0);  
box-shadow:4px 4px 4px 4px rgb(171, 120,  
0) }
```

# Background

The CSS property to change the background color of an element to HunterLab 47.0009, 7.0386, 29.0850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 120, 0) }
```

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

```
.background{ background-color: rgb(171,  
120, 0) }
```

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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