

# Converting Colors

HunterLab(49.8102, 31.5033,  
-12.8374)

Have a look what the booklet for  
HunterLab(49.8102, 31.5033,  
-12.8374) contains.

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# Color

**HunterLab(49.8544, 31.3090,  
-12.7890)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BA70A8
RGB	186, 112, 168
RGB Percent	73%, 44%, 66%
CMY	0.2706, 0.5608, 0.3412
CMYK	0.00, 0.40, 0.10, 0.27
HSL	315°, 35%, 58%
HSV	315°, 40%, 73%
XYZ	33.1118, 24.8546, 40.0980
YIQ	140.5100, 26.1280, 33.1040

# Conversions

## Conversions Part 2

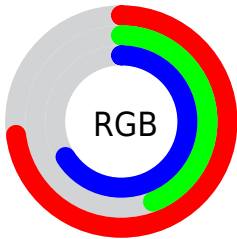
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">186, 112, 168</a>
Decimal	<a href="#">12218536</a>
CIELab	<a href="#">56.93, 37.45, -17.61</a>
CIElCh	<a href="#">57, 41.380, 334.817</a>
Yxy	<a href="#">24.8557, 0.3377, 0.2535</a>
Android (android.graphics.Color)	<a href="#">4290408616 (0xFFBA70A8)</a>
YUV	<a href="#">140.5100, 13.5526, 39.8947</a>
Hunter-Lab	<a href="#">49.8544, 31.3090, -12.7890</a>

# Details

The HunterLab color **49.8544, 31.3090, -12.7890** is a light color, and the websafe version is hex **996699**. A complement of this color would be **63.3838, -31.3045, 18.7521**, and the grayscale version is **51.3553, -2.7402, 2.7902**.

A 20% lighter version of the original color is **71.6189, 33.5213, -13.0761**, and **30.8731, 28.2754, -12.2126** is the 20% darker color. If you saturate the color by 10%, you get **45.8264, 39.9823, -16.1824**, and if you desaturate by 10%, it is **54.3733, 22.4064, -8.9511**.

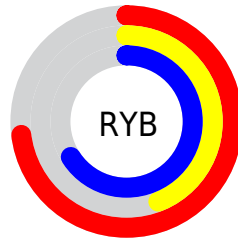
# Distribution



Red (73%)

Green (44%)

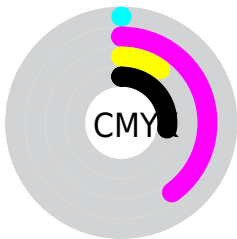
Blue (66%)



Red (73%)

Yellow (44%)

Blue (66%)

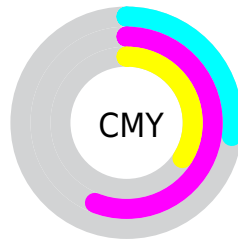


Cyan (0%)

Magenta (40%)

Yellow (10%)

Black (27%)



Cyan (27%)

Magenta (56%)

Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 49.8544, 31.3090, -12.7890 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 49.8544, 31.3090, -12.7890 by changing the saturation by 10% instead.



49.8544, 31.3090,  
-12.7890

49.8544, 31.3090,  
-12.7890

166.4689, 38.7384,  
-12.4394

39.9620, 29.9979,  
-12.5320

71.7099, 33.5789,  
-13.0967

30.8264, 28.5618,  
-12.2052

83.5901, 34.5602,  
-13.1579

22.5177, 26.9978,  
-11.8106

96.0624, 35.4495,  
-13.1621

15.1284, 25.3328,  
-11.3702

109.0999, 36.2540,  
-13.1128

8.7619, 23.8942,  
-11.0580

122.6790, 36.9800,  
-13.0132

0.0000, INF, -NF

0.0000, NaN, NaN

136.7789, 37.6330,

-12.8661

0.0000, NaN, NaN

151.3811, 38.2177,  
-12.6741

0.0000, NaN, NaN

■ 49.8544, 31.3090,  
-12.7890

■ 49.8544, 31.3090,  
-12.7890

■ 45.8264, 39.9823,  
-16.1824

■ 54.3733, 22.4064,  
-8.9511

■ 42.3632, 48.0853,  
-18.9302

■ 59.3088, 13.4984,  
-4.8258

■ 39.5408, 55.1387,  
-20.7912

■ 64.6006, 4.7031,  
-0.5177

■ 37.4154, 60.6027,  
-21.5419

■ 70.1978, -3.9244,  
3.9042

■ 36.0015, 64.0386,  
-21.0633

■ 76.0587, -12.3679,  
8.3964

■ 35.1663, 65.6152,  
-19.5710

■ 82.1495, -20.6323,  
12.9325

■ 35.1497, 65.6451,  
-19.5362

■ 88.4424, -28.7331,  
17.4970

■ 92.9130, -34.0100,  
20.1239

■ 93.0317, -33.3235,  
18.4135

# Harmonies

## Analogous

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



49.8555, 17.8769, -31.0536



49.8544, 31.3090, -12.7890



49.8555, 35.1767, 5.3088

# Triad

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



49.8555, 31.3071, -12.7877



49.8555, -5.4367, 25.1279



49.8555, -27.2279, -19.0495

# Complementary

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



49.8544, 31.3090, -12.7890



63.3838, -31.3045, 18.7521

# 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.



49.8555, -31.7713, -0.0288



49.8544, 31.3090, -12.7890



49.8555, -20.3361, 22.3866

# Square

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



49.8555, 31.3071, -12.7877



49.8555, 12.3606, 23.7547



49.8555, -29.4317, 14.4290



49.8555, -16.0942, -35.4524



# Rectangle

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



49.8544, 31.3090, -12.7890



49.8555, 31.4200, 14.2927



49.8555, -29.4317, 14.4290



49.8555, -29.5017, -12.5490

# Sweetspot

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



49.8555, 31.3071, -12.7877



85.2110, 9.1735, -2.1151



44.5229, 17.3111, -34.1248



39.5441, 5.0301, -1.3513



97.7295, -5.2146, 5.3098



44.2712, -2.3622, 2.4053



# Same Dimension

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



49.8555, 31.3071, -12.7877



62.2003, 52.6994, -21.3685



48.6696, 25.5579, 3.9589



30.2066, 2.0065, -0.1486



28.8518, 53.9192, -16.3146



5.5006, 10.4196, -4.1946



# Inverse Universe

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



49.8555, 31.3071, -12.7877



62.2003, 52.6994, -21.3685



64.2855, -26.0079, 5.7649



30.2066, 2.0065, -0.1486



28.8518, 53.9192, -16.3146

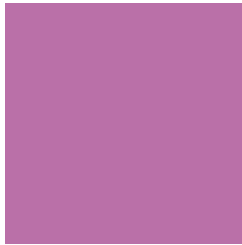


5.5006, 10.4196, -4.1946



# Previews

## White Background



This preview shows how the HunterLab color 49.8544, 31.3090, -12.7890 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

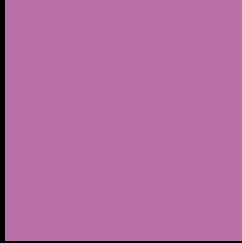
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 49.8544, 31.3090, -12.7890 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

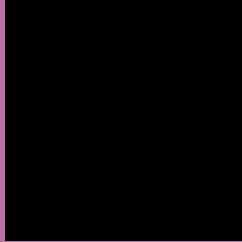
Any Text WCAG AA ✓ Pass

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 49.8544, 31.3090, -12.7890 Background



This preview shows how black text looks on a background with the HunterLab color 49.8544, 31.3090, -12.7890.



This preview shows how white text looks on a background with the HunterLab color 49.8544, 31.3090, -12.7890.

-12.7890.

# 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

49.8544, 31.3090, -12.7890

### Protanopia

50.0417, 3.7049, -23.4813

### Deuteranopia

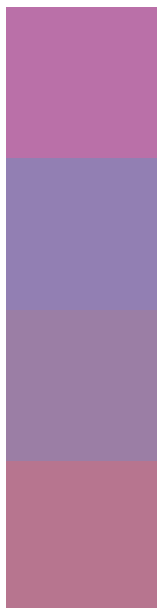
50.0489, 3.5120, -10.7056



## Tritanopia

49.8414, 19.2691, 6.3433

# Trichromacy



## Original Color

49.8544, 31.3090, -12.7890

## Protanomaly

49.5423, 12.6716, -20.2894

## Deuteranomaly

49.6053, 13.1182, -11.7509

## Tritanomaly

49.7725, 23.5276, 0.1257

# Monochromacy



## Original Color

49.8544, 31.3090, -12.7890

## Achromatopsia

51.6097, -2.7538, 2.8041

## Achromatomaly

50.3664, 9.2246, -3.2685

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 49.8544, 31.3090, -12.7890 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(186, 112, 168)` looks like.

```
.text, #text, p{  
    color:rgb(186, 112, 168)  
}
```

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(186, 112, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 112, 168) }
```

## Border

The CSS property to change the border of an element to HunterLab 49.8544, 31.3090, -12.7890 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(186, 112, 168) }
```



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

```
.border{ border-color:rgb(186, 112, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 112, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 112, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 112, 168);  
box-shadow:4px 4px 4px 4px rgb(186, 112,  
168) }
```

# Background

The CSS property to change the background color of an element to HunterLab 49.8544, 31.3090, -12.7890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 112, 168) }
```

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

```
.background{ background-color: rgb(186,  
112, 168) }
```

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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