

# Converting Colors

HunterLab(28.2988, 49.2953,  
12.2552)

Have a look what the booklet for  
HunterLab(28.2988, 49.2953,  
12.2552) contains.

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# Color

**HunterLab(28.2989, 49.2463,  
12.2119)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A30031
RGB	163, 0, 49
RGB Percent	64%, 0%, 19%
CMY	0.3608, 0.9999, 0.8078
CMYK	0.00, 1.00, 0.70, 0.36
HSL	342°, 100%, 32%
HSV	342°, 100%, 64%
XYZ	15.6586, 8.0083, 3.6262
YIQ	54.3230, 81.4190, 49.7950

# Conversions

## Conversions Part 2

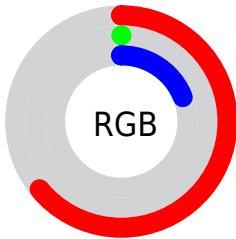
<b>Format</b>	<b>Color</b>
<b>RYB</b>	163, 0, 49
Decimal	10682417
CIELab	34.00, 58.58, 21.86
CIELCh	34, 62.525, 20.466
Yxy	8.0088, 0.5737, 0.2934
Android (android.graphics.Color)	4288872497 (0xFFA30031)
YUV	54.3230, -2.6242, 95.3097
Hunter-Lab	28.2989, 49.2463, 12.2119

# Details

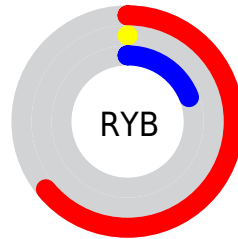
The HunterLab color **28.2989, 49.2463, 12.2119** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **52.3544, -36.6049, 13.5828**, and the grayscale version is **19.3100, -1.0303, 1.0491**.

A 20% lighter version of the original color is **46.9070, 53.7707, 16.1607**, and **17.0004, 29.1524, 10.6855** is the 20% darker color. If you saturate the color by 10%, you get **28.2985, 49.2452, 12.2157**, and if you desaturate by 10%, it is **29.1501, 47.7014, 9.9884**.

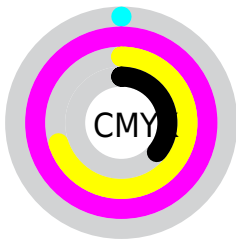
# Distribution



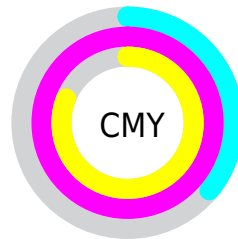
- Red (64%)
- Green (0%)
- Blue (19%)



- Red (64%)
- Yellow (0%)
- Blue (19%)



- Cyan (0%)
- Magenta (100%)
- Yellow (70%)
- Black (36%)



- Cyan (36%)
- Magenta (100%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 28.2989, 49.2463, 12.2119 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 28.2989, 49.2463, 12.2119 by changing the saturation by 10% instead.



■ 28.2989, 49.2463,  
12.2119

■ 28.2989, 49.2463,  
12.2119

■ 132.5899, 64.9923,  
28.4313

■ 20.2499, 47.1789,  
10.0095

■ 46.8782, 53.3935,  
16.1979

■ 13.1529, 45.4341,  
8.4890

■ 57.2740, 55.3500,  
18.0589

■ 6.6555, 50.2551,  
4.6588

■ 68.3416, 57.2045,  
19.8633

0.0000, INF, NaN

0.0000, NaN, NaN

■ 80.0425, 58.9554,  
21.6257

0.0000, NaN, NaN

■ 92.3441, 60.6051,  
23.3566

0.0000, NaN, NaN

■ 105.2183, 62.1579,

0.0000, NaN, NaN

25.0640

0.0000, NaN, NaN

118.6407, 63.6187,  
26.7540

28.2989, 49.2463,  
12.2119

28.2989, 49.2463,  
12.2119

28.2985, 49.2452,  
12.2157

29.1501, 47.7014,  
9.9884

30.5267, 44.8190,  
7.7526

32.5646, 40.4088,  
5.7980

35.2308, 34.8908,  
4.2572

38.4584, 28.7174,  
3.1753

■ 42.1701, 22.2482,  
2.5343

■ 46.2918, 15.7185,  
2.2832

■ 50.7590, 9.2601,  
2.3621

■ 55.5184, 2.9344,  
2.7137

# Harmonies

## Analogous

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



28.2998, 52.6129, -5.8665



28.2989, 49.2463, 12.2119



28.2998, 30.3020, 18.2864

# Triad

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



28.2998, 49.2428, 12.2125



28.2998, -27.0665, 16.9596



28.2998, -8.1058, -72.3855

# Complementary

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



28.2989, 49.2463, 12.2119



52.3544, -36.6049, 13.5828

# 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.



28.2998, -23.5011, -49.4632



28.2989, 49.2463, 12.2119



28.2998, -32.0556, 7.3654

# Square

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



28.2998, 49.2428, 12.2125



28.2998, -14.6903, 19.8034



28.2998, -30.9844, -16.1808



28.2998, 14.6313, -66.7387



# Rectangle

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



28.2989, 49.2463, 12.2119



28.2998, 13.8601, 19.8099



28.2998, -30.9844, -16.1808



28.2998, -14.1724, -67.3635

# Sweetspot

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



28.2998, 49.2428, 12.2125



61.6217, 21.5339, 3.0621



24.5964, 52.8668, -67.4430



28.1309, 11.8664, 1.4928



90.9709, -4.8540, 4.9426



38.3822, -2.0480, 2.0854



# Same Dimension

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



28.2998, 49.2428, 12.2125



37.8295, 65.7508, 16.9520



29.5131, 42.4986, 18.9284



26.6822, 1.1876, 1.3124



24.9620, 43.4671, 10.5576



3.7271, 6.6982, -0.0365



# Inverse Universe

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



28.2998, 49.2428, 12.2125



37.8295, 65.7508, 16.9520



44.1052, -16.4153, -19.6896



26.6822, 1.1876, 1.3124



24.9620, 43.4671, 10.5576



3.7271, 6.6982, -0.0365



# Previews

## White Background



This preview shows how the HunterLab color 28.2989, 49.2463, 12.2119 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

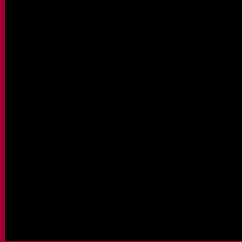
Any Text WCAG AA × Fail

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 28.2989, 49.2463, 12.2119 Background



This preview shows how black text looks on a background with the HunterLab color 28.2989, 49.2463, 12.2119.



This preview shows how white text looks on a background with the HunterLab color 28.2989, 49.2463,



# 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

28.2989, 49.2463, 12.2119

### Protanopia

29.4852, -1.7979, 5.4622

### Deuteranopia

29.2862, 1.6276, 13.8275



## Tritanopia

28.6690, 44.7419, 17.4352

# Trichromacy



## Original Color

28.2989, 49.2463, 12.2119

## Protanomaly

25.6149, 19.7643, 4.9025

## Deuteranomaly

25.9772, 22.6178, 10.9643

## Tritanomaly

28.3779, 46.2866, 16.0014

# Monochromacy



## Original Color

28.2989, 49.2463, 12.2119

## Achromatopsia

19.2066, -1.0248, 1.0435

## Achromatomaly

19.4208, 19.3956, 2.3882

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 28.2989, 49.2463, 12.2119 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(163, 0, 49)` looks like.

```
.text, #text, p{  
    color:rgb(163, 0, 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(163, 0, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 0, 49) }
```

## Border

The CSS property to change the border of an element to HunterLab 28.2989, 49.2463, 12.2119 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(163, 0, 49) }
```



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

```
.border{ border-color:rgb(163, 0, 49) }
```

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

Here you see how a box with a 4 pixel rgb(163, 0, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 0, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 0, 49);  
box-shadow:4px 4px 4px 4px rgb(163, 0, 49)  
}
```

# Background

The CSS property to change the background color of an element to HunterLab 28.2989, 49.2463, 12.2119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 0, 49) }
```

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

```
.background{ background-color: rgb(163, 0,  
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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