

# Converting Colors

XYZ(35.4657, 30.3413, 49.8862)

Have a look what the booklet for  
XYZ(35.4657, 30.3413, 49.8862)  
contains.

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# Color

**XYZ(35.4656, 30.3412,  
49.8861)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B088B9
RGB	176, 136, 185
RGB Percent	69%, 53%, 73%
CMY	0.3098, 0.4667, 0.2745
CMYK	0.05, 0.26, 0.00, 0.27
HSL	289°, 26%, 63%
HSV	289°, 26%, 73%
XYZ	35.4656, 30.3412, 49.8861
YIQ	153.5460, 8.1110, 23.7190

# Conversions

## Conversions Part 2

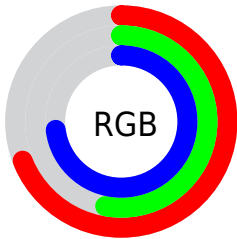
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">176, 136, 185</a>
Decimal	<a href="#">11569337</a>
CIELab	<a href="#">61.95, 23.98, -19.79</a>
CIElCh	<a href="#">62, 31.095, 320.472</a>
Yxy	<a href="#">30.3412, 0.3065, 0.2623</a>
Android (android.graphics.Color)	<a href="#">4289759417 (0xFFB088B9)</a>
YUV	<a href="#">153.5460, 15.5068, 19.6922</a>
Hunter-Lab	<a href="#">55.0828, 18.5339, -15.1383</a>

# Details

The XYZ color **35.4656, 30.3412, 49.8861** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **33.4710, 42.4960, 29.7324**, and the grayscale version is **30.4491, 32.0348, 34.8859**.

A 20% lighter version of the original color is **67.5694, 60.3336, 91.3033**, and **15.6610, 12.5325, 23.4234** is the 20% darker color. If you saturate the color by 10%, you get **32.3232, 25.1822, 49.0564**, and if you desaturate by 10%, it is **39.0788, 36.4121, 50.8679**.

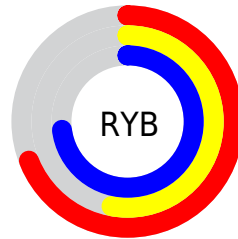
# Distribution



Red (69%)

Green (53%)

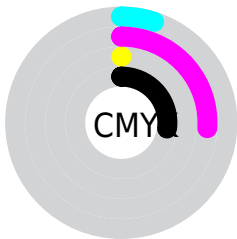
Blue (73%)



Red (69%)

Yellow (53%)

Blue (73%)

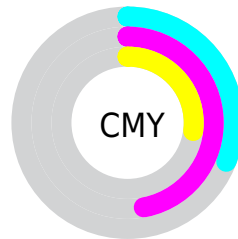


Cyan (5%)

Magenta (26%)

Yellow (0%)

Black (27%)



Cyan (31%)

Magenta (47%)


Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.4656, 30.3412, 49.8861 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 XYZ color 35.4656, 30.3412, 49.8861 by changing the saturation by 10% instead.





 35.4656, 30.3412,  
49.8861


 35.4656, 30.3412,  
49.8861


318.0908,  
303.4916, 402.9427


 24.1899, 20.0977,  
34.9524


 67.5357, 60.2013,  
91.4007

 15.6001, 12.4661,  
23.3429


 89.0609, 80.5868,  
118.8186

 9.3307, 7.0619,  
14.6392


 114.7333,  
105.1217, 151.2349

 5.0163, 3.5009,  
8.4228

144.9182,  
134.1904, 189.0683

 2.2917, 1.3985,  
4.2750

179.9811,  
168.1774, 232.7372

 0.7904, 0.2156,  
1.7774

220.2873,

 0.0000, 0.0000,

207.4670, 282.6602

0.4130

266.2021,  
252.4436, 339.2559

■ 0.0000, 0.0000,  
0.0000

■ 35.4656, 30.3412,  
49.8861

■ 35.4656, 30.3412,  
49.8861

■ 32.3232, 25.1822,  
49.0564

■ 39.0788, 36.4121,  
50.8679

■ 29.6255, 20.8850,  
48.3691

■ 43.1816, 43.4340,  
52.0070

■ 27.3483, 17.4004,  
47.8166

■ 47.7951, 51.4483,  
53.3108

■ 25.4635, 14.6728,  
47.3894

■ 52.9384, 60.4929,  
54.7855

■ 23.9397, 12.6395,  
47.0773

■ 58.6294, 70.6038,  
56.4372

■ 22.7404, 11.2277,  
46.8680

■ 64.8854, 81.8150,  
58.2714

■ 21.8169, 10.3402,  
46.7453

■ 68.2796, 87.2729,  
59.1460

■ 21.5235, 10.0842,  
46.7114

■ 69.1961, 87.7453,  
59.1889

■ 70.1328, 88.2282,  
59.2327

# Harmonies

## Analogous

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



31.7304, 30.3412, 59.5128



35.4656, 30.3412, 49.8861



37.4776, 30.3412, 36.9796

# Triad

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



35.4656, 30.3412, 49.8861



30.1843, 30.3412, 15.1893



21.9687, 30.3412, 41.7230

# Complementary

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



35.4656, 30.3412, 49.8861



33.4710, 42.4960, 29.7324

# 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.



21.6407, 30.3412, 29.3840



35.4656, 30.3412, 49.8861



26.1277, 30.3412, 15.8735

# Square

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



35.4656, 30.3412, 49.8861



34.2406, 30.3412, 18.3179



23.0929, 30.3412, 20.4852



24.0366, 30.3412, 54.0678



# Rectangle

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



35.4656, 30.3412, 49.8861



37.4503, 30.3412, 29.0415



23.0929, 30.3412, 20.4852



21.6596, 30.3412, 37.3818

# Sweetspot

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



35.4666, 30.3425, 49.8868



76.0658, 75.5987, 92.7875



29.1596, 29.2346, 50.0053



16.1530, 15.8761, 19.9346



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988



# Same Dimension

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



35.4666, 30.3425, 49.8868



60.0225, 48.5724, 88.4165



36.0968, 30.8375, 42.2298



9.2148, 9.0771, 11.3458



14.7121, 6.8956, 31.8086



0.5612, 0.2650, 1.1233



# Inverse Universe

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



33.9236, 29.9682, 30.7859



56.8741, 47.8435, 47.8762



33.0649, 42.1575, 35.5464



9.0702, 9.0384, 9.7170



13.8399, 7.1097, 1.7776



0.5085, 0.2589, 0.1711



# Previews

## White Background



This preview shows how the XYZ color 35.4656, 30.3412, 49.8861 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

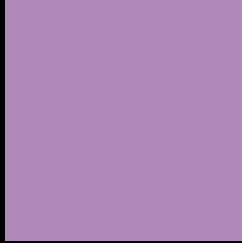
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.4656, 30.3412, 49.8861 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 35.4656, 30.3412, 49.8861**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.4656, 30.3412, 49.8861.



This preview shows how white text looks on a background with the XYZ color 35.4656, 30.3412,



# 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

35.4656, 30.3412, 49.8861

### Protanopia

30.8087, 30.4781, 55.2980

### Deuteranopia

31.1937, 30.5822, 49.0586



## Tritanopia

32.2174, 30.3038, 34.2882

# Trichromacy



## Original Color

35.4656, 30.3412, 49.8861

## Protanomaly

32.3261, 30.3835, 53.4510

## Deuteranomaly

32.5747, 30.3747, 49.4934

## Tritanomaly

33.4032, 30.3570, 39.6963

# Monochromacy



## Original Color

35.4656, 30.3412, 49.8861

## Achromatopsia

30.7148, 32.3143, 35.1903

## Achromatomaly

32.1255, 31.2654, 39.9389

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.4656, 30.3412, 49.8861 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(176, 136, 185)` looks like.

```
.text, #text, p{  
    color:rgb(176, 136, 185)  
}
```

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(176, 136, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 136, 185) }
```

## Border

The CSS property to change the border of an element to XYZ 35.4656, 30.3412, 49.8861 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(176, 136, 185) }
```



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

```
.border{ border-color:rgb(176, 136, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 136, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 136, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 136, 185);  
box-shadow:4px 4px 4px 4px rgb(176, 136,  
185) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.4656, 30.3412, 49.8861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 136, 185) }
```

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

```
.background{ background-color: rgb(176,  
136, 185) }
```

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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