

# Converting Colors

XYZ(35.3475, 30.7441, 45.7073)

Have a look what the booklet for  
XYZ(35.3475, 30.7441, 45.7073)  
contains.

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# Color

**XYZ(35.3844, 30.8163,  
45.6781)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B28AB1
RGB	178, 138, 177
RGB Percent	70%, 54%, 69%
CMY	0.3020, 0.4588, 0.3059
CMYK	0.00, 0.22, 0.01, 0.30
HSL	302°, 21%, 62%
HSV	302°, 22%, 70%
XYZ	35.3844, 30.8163, 45.6781
YIQ	154.4060, 11.3210, 20.6090

# Conversions

## Conversions Part 2

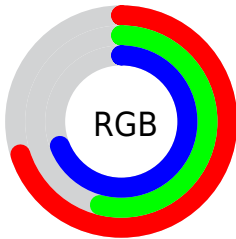
<b>Format</b>	<b>Color</b>
<b>RYB</b>	178, 138, 177
Decimal	11700913
CIELab	62.35, 21.96, -14.63
CIELCh	62, 26.391, 326.334
Yxy	30.8163, 0.3163, 0.2754
Android (android.graphics.Color)	4289890993 (0xFFB28AB1)
YUV	154.4060, 11.1388, 20.6919
Hunter-Lab	55.5124, 16.6316, -9.9278

# Details

The XYZ color **35.3844, 30.8163, 45.6781** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **31.0631, 39.1091, 30.3395**, and the grayscale version is **30.8434, 32.4497, 35.3377**.

A 20% lighter version of the original color is **67.4893, 61.0749, 85.3224**, and **15.5853, 12.7947, 20.7170** is the 20% darker color. If you saturate the color by 10%, you get **32.9930, 26.1038, 44.6627**, and if you desaturate by 10%, it is **38.1964, 36.3686, 46.8351**.

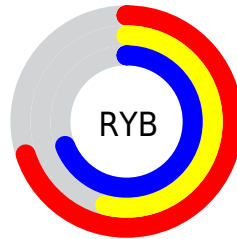
# Distribution



Red (70%)

Green (54%)

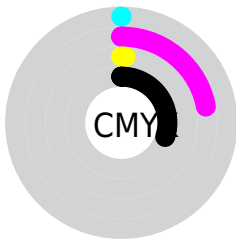
Blue (69%)



Red (70%)

Yellow (54%)

Blue (69%)

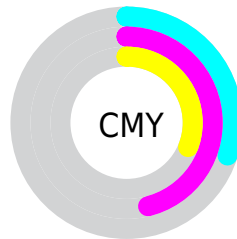


Cyan (0%)

Magenta (22%)

Yellow (1%)

Black (30%)



Cyan (30%)

Magenta (46%)


Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.3844, 30.8163, 45.6781 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 35.3844, 30.8163, 45.6781 by changing the saturation by 10% instead.





 35.3844, 30.8163,  
45.6781


 35.3844, 30.8163,  
45.6781


317.7402,  
305.6911, 385.7529


 24.1270, 20.4590,  
31.6450


 67.4109, 60.9507,  
85.0662

 15.5531, 12.7291,  
20.8280


 88.9108, 81.4967,  
111.2584

 9.2973, 7.2423,  
12.8083

 114.5556,  
106.2076, 142.3407

 4.9943, 3.6141,  
7.1675

144.7106,  
135.4679, 178.7317

 2.2786, 1.4601,  
3.4870

179.7412,  
169.6621, 220.8498

 0.7837, 0.2604,  
1.3484

220.0128,

 0.0000, 0.0000,

209.1744, 269.1137

0.1010

265.8907,  
254.3893, 323.9419

■ 0.0000, 0.0000,  
0.0000

■ 35.3844, 30.8163,  
45.6781

■ 35.3844, 30.8163,  
45.6781

■ 32.9930, 26.1038,  
44.6627

■ 38.1964, 36.3686,  
46.8351

■ 30.9989, 22.1864,  
43.7801

■ 41.4451, 42.7946,  
48.1380

■ 29.3811, 19.0213,  
43.0237

■ 45.1492, 50.1313,  
49.5935

■ 28.1154, 16.5599,  
42.3853

■ 49.3257, 58.4124,  
51.2071

■ 27.1746, 14.7483,  
41.8560

■ 53.9904, 67.6698,  
52.9842

■ 26.5278, 13.5246,  
41.4253

■ 59.1586, 77.9339,  
54.9298

■ 26.1382, 12.8149,  
41.0811

■ 62.3705, 84.2852,  
56.2241

■ 25.9564, 12.5035,  
40.8596

■ 62.4160, 84.3034,  
56.4636

■ 62.4616, 84.3216,  
56.7038

# Harmonies

## Analogous

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



32.4427, 30.8163, 54.4434



35.3844, 30.8163, 45.6781



36.6905, 30.8163, 34.8270

# Triad

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



35.3844, 30.8163, 45.6781



29.7312, 30.8163, 17.5066



23.5571, 30.8163, 43.0547

# Complementary

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



35.3844, 30.8163, 45.6781



31.0631, 39.1091, 30.3395

# 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.



22.9582, 30.8163, 32.3119



35.3844, 30.8163, 45.6781



26.3484, 30.8163, 18.8353

# Square

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



35.3844, 30.8163, 45.6781



33.2636, 30.8163, 19.7040



23.9389, 30.8163, 23.7904



25.6461, 30.8163, 52.7255



# Rectangle

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



35.3844, 30.8163, 45.6781



36.3856, 30.8163, 28.3217



23.9389, 30.8163, 23.7904



23.1825, 30.8163, 39.3934

# Sweetspot

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



35.3853, 30.8176, 45.6788



72.3162, 71.9828, 86.1615



27.7177, 26.8532, 45.8424



15.9449, 15.7960, 19.0583



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787



# Same Dimension

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



35.3853, 30.8176, 45.6788



61.9076, 51.4282, 81.8827



33.5640, 30.0891, 36.0877



8.8407, 8.6430, 10.6594



18.5755, 8.9478, 29.2544



0.5873, 0.2827, 0.9355



# Inverse Universe

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



35.3853, 30.8176, 45.6788



61.9076, 51.4282, 81.8827



32.6319, 39.7366, 38.6007



8.8407, 8.6430, 10.6594



18.5755, 8.9478, 29.2544

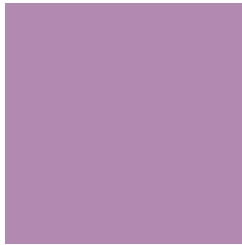


0.5873, 0.2827, 0.9355



# Previews

## White Background



This preview shows how the XYZ color 35.3844, 30.8163, 45.6781 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

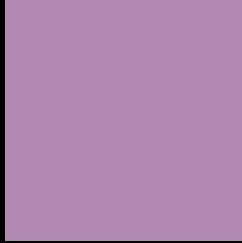
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.3844, 30.8163, 45.6781 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

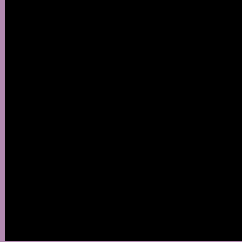
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 35.3844, 30.8163, 45.6781**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.3844, 30.8163, 45.6781.



This preview shows how white text looks on a background with the XYZ color 35.3844, 30.8163,

45.6781.

# 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

35.3844, 30.8163, 45.6781

### Protanopia

30.9910, 31.1551, 50.2791

### Deuteranopia

31.4980, 30.8326, 44.8486



## Tritanopia

33.1020, 30.7599, 34.3296

# Trichromacy



## Original Color

35.3844, 30.8163, 45.6781

## Protanomaly

32.4327, 31.0031, 48.5308

## Deuteranomaly

32.9140, 30.8676, 45.2976

## Tritanomaly

33.9510, 30.8885, 38.3551

# Monochromacy



## Original Color

35.3844, 30.8163, 45.6781

## Achromatopsia

30.7148, 32.3143, 35.1903

## Achromatomaly

32.2157, 31.5750, 38.5790

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.3844, 30.8163, 45.6781 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(178, 138, 177)` looks like.

```
.text, #text, p{  
    color:rgb(178, 138, 177)  
}
```

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(178, 138, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 138, 177) }
```

## Border

The CSS property to change the border of an element to XYZ 35.3844, 30.8163, 45.6781 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(178, 138, 177) }
```



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

```
.border{ border-color:rgb(178, 138, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 138, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 138, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 138, 177);  
box-shadow:4px 4px 4px 4px rgb(178, 138,  
177) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.3844, 30.8163, 45.6781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 138, 177) }
```

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

```
.background{ background-color: rgb(178,  
138, 177) }
```

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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