

# Converting Colors

XYZ(35.0182, 29.5945, 44.5721)

Have a look what the booklet for  
XYZ(35.0182, 29.5945, 44.5721)  
contains.

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# Color

**XYZ(34.9478, 29.5735,  
44.4237)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B485AF
RGB	180, 133, 175
RGB Percent	71%, 52%, 69%
CMY	0.2941, 0.4784, 0.3137
CMYK	0.00, 0.26, 0.03, 0.29
HSL	306°, 24%, 61%
HSV	306°, 26%, 71%
XYZ	34.9478, 29.5735, 44.4237
YIQ	151.8410, 14.5300, 23.0260

# Conversions

## Conversions Part 2

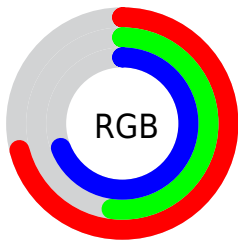
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	180, 133, 175
Decimal	11830703
CIE <sub>Lab</sub>	61.28, 25.08, -15.09
CIE <sub>LCh</sub>	61, 29.270, 328.971
Yxy	29.5735, 0.3208, 0.2715
Android (android.graphics.Color)	4290020783 (0xFFB485AF)
YUV	151.8410, 11.4174, 24.6954
Hunter-Lab	54.3815, 19.5438, -10.3663

# Details

The XYZ color **34.9478, 29.5735, 44.4237** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **30.5828, 39.4650, 30.0521**, and the grayscale version is **29.7252, 31.2732, 34.0566**.

A 20% lighter version of the original color is **66.7862, 59.1430, 83.4970**, and **15.3585, 12.1037, 19.9391** is the 20% darker color. If you saturate the color by 10%, you get **32.5050, 24.9863, 42.6882**, and if you desaturate by 10%, it is **37.8174, 35.0090, 46.3153**.

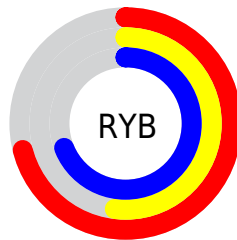
# Distribution



Red (71%)

Green (52%)

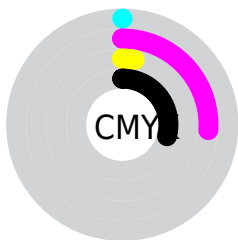
Blue (69%)



Red (71%)

Yellow (52%)

Blue (69%)

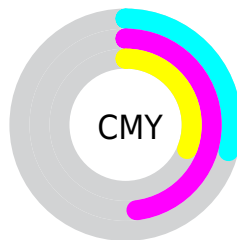


Cyan (0%)

Magenta (26%)

Yellow (3%)

Black (29%)



Cyan (29%)

Magenta (48%)


Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.9478, 29.5735, 44.4237 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 34.9478, 29.5735, 44.4237 by changing the saturation by 10% instead.





 34.9478, 29.5735,  
44.4237


 34.9478, 29.5735,  
44.4237


315.8499,  
299.9114, 380.5263


 23.7890, 19.5151,  
30.6641


 66.7394, 58.9870,  
83.1642

 15.3011, 12.0431,  
20.0869


 88.1030, 79.1110,  
108.9822

 9.1186, 6.7730,  
12.2735

 113.5988,  
103.3588, 139.6567

 4.8764, 3.3205,  
6.8054

143.5923,  
132.1150, 175.6063

 2.2089, 1.3013,  
3.2641

178.4488,  
165.7640, 217.2495

 0.7474, 0.1422,  
1.2310

218.5337,

 0.0000, 0.0000,

204.6901, 265.0049

0.0042

264.2123,  
249.2778, 319.2910

■ 0.0000, 0.0000,  
0.0000

■ 34.9478, 29.5735,  
44.4237

■ 34.9478, 29.5735,  
44.4237

■ 32.5050, 24.9863,  
42.6882

■ 37.8174, 35.0090,  
46.3153

■ 30.4647, 21.2003,  
41.0996

■ 41.1311, 41.3288,  
48.3678

■ 28.8043, 18.1701,  
39.6508

■ 44.9084, 48.5718,  
50.5881

■ 27.4981, 15.8439,  
38.3330

■ 49.1672, 56.7731,  
52.9822

■ 26.5169, 14.1636,  
37.1365

■ 53.9240, 65.9663,  
55.5557

■ 25.8270, 13.0615,  
36.0500

■ 59.1948, 76.1830,  
58.3140

■ 25.3843, 12.4497,  
35.0587

■ 63.7038, 84.8719,  
60.8318

■ 25.2424, 12.2713,  
34.6867

■ 63.9122, 84.9553,  
61.9297

■ 64.1235, 85.0398,  
63.0420

# Harmonies

## Analogous

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



31.8525, 29.5735, 54.5607



34.9478, 29.5735, 44.4237



36.1866, 29.5735, 32.5830

# Triad

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



34.9478, 29.5735, 44.4237



28.2420, 29.5735, 15.3029



22.1122, 29.5735, 43.6110

# Complementary

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



34.9478, 29.5735, 44.4237



30.5828, 39.4650, 30.0521

# 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.



21.3324, 29.5735, 31.8211



34.9478, 29.5735, 44.4237



24.6705, 29.5735, 16.9754

# Square

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



34.9478, 29.5735, 44.4237



32.1035, 29.5735, 17.2252



22.2257, 29.5735, 22.4543



24.4599, 29.5735, 54.0211



# Rectangle

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



34.9478, 29.5735, 44.4237



35.7138, 29.5735, 25.7830



22.2257, 29.5735, 22.4543



21.6680, 29.5735, 39.6032

# Sweetspot

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



34.9487, 29.5748, 44.4243



73.2932, 72.4804, 86.9210



27.0587, 25.4496, 46.6668



15.6417, 15.2845, 18.6646



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.



34.9487, 29.5748, 44.4243



60.8732, 48.9289, 78.8090



32.8621, 28.7402, 33.4366



8.8103, 8.6308, 10.4995



17.6322, 8.5704, 24.2870



0.5659, 0.2741, 0.8225



# Inverse Universe

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



34.9487, 29.5748, 44.4243



60.8732, 48.9289, 78.8090



32.4459, 40.2103, 39.8631



8.8103, 8.6308, 10.4995



17.6322, 8.5704, 24.2870

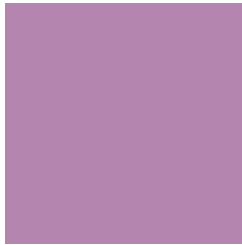


0.5659, 0.2741, 0.8225



# Previews

## White Background



This preview shows how the XYZ color 34.9478, 29.5735, 44.4237 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

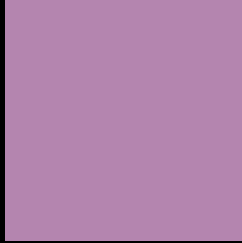
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.9478, 29.5735, 44.4237 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](#).

**XYZ 34.9478, 29.5735, 44.4237**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.9478, 29.5735, 44.4237.



This preview shows how white text looks on a background with the XYZ color 34.9478, 29.5735,



# 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

34.9478, 29.5735, 44.4237

### Protanopia

29.7329, 29.8171, 49.5356

### Deuteranopia

30.4307, 29.8472, 43.6924



## Tritanopia

32.4178, 29.5770, 32.4341

# Trichromacy



## Original Color

34.9478, 29.5735, 44.4237

## Protanomaly

31.3399, 29.5522, 47.7684

## Deuteranomaly

32.0651, 29.7871, 44.1039

## Tritanomaly

33.1072, 29.4241, 36.2822

# Monochromacy



## Original Color

34.9478, 29.5735, 44.4237

## Achromatopsia

29.8446, 31.3989, 34.1934

## Achromatomaly

31.3709, 30.4702, 37.4856

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.9478, 29.5735, 44.4237 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(180, 133, 175)` looks like.

```
.text, #text, p{  
    color:rgb(180, 133, 175)  
}
```

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(180, 133, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 133, 175) }
```

## Border

The CSS property to change the border of an element to XYZ 34.9478, 29.5735, 44.4237 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(180, 133, 175) }
```



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

```
.border{ border-color:rgb(180, 133, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 133, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 133, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 133, 175);  
box-shadow:4px 4px 4px 4px rgb(180, 133,  
175) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.9478, 29.5735, 44.4237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 133, 175) }
```

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

```
.background{ background-color: rgb(180,  
133, 175) }
```

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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