

# Converting Colors

XYZ(35.2916, 29.9845, 43.9132)

Have a look what the booklet for  
XYZ(35.2916, 29.9845, 43.9132)  
contains.

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# Color

**XYZ(35.2211, 29.9299,  
43.9651)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B586AE
RGB	181, 134, 174
RGB Percent	71%, 53%, 68%
CMY	0.2902, 0.4745, 0.3176
CMYK	0.00, 0.26, 0.04, 0.29
HSL	309°, 24%, 62%
HSV	309°, 26%, 71%
XYZ	35.2211, 29.9299, 43.9651
YIQ	152.6130, 15.1720, 22.4040

# Conversions

## Conversions Part 2

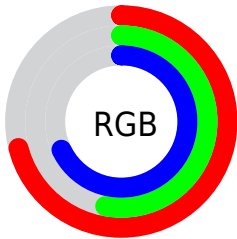
Format	Color
R <sub>Y</sub> B	181, 134, 174
Decimal	11896494
CIE Lab	61.59, 24.68, -14.04
CIE LCh	62, 28.395, 330.361
Yxy	29.9299, 0.3228, 0.2743
Android (android.graphics.Color)	4290086574 (0xFFB586AE)
YUV	152.6130, 10.5438, 24.8954
Hunter-Lab	54.7082, 19.1787, -9.3514

# Details

The XYZ color **35.2211, 29.9299, 43.9651** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **31.1643, 40.0400, 31.2869**, and the grayscale version is **30.0620, 31.6276, 34.4424**.

A 20% lighter version of the original color is **67.1912, 59.6841, 82.8417**, and **15.4356, 12.2578, 19.9648** is the 20% darker color. If you saturate the color by 10%, you get **32.6704, 25.2444, 41.8314**, and if you desaturate by 10%, it is **38.2071, 35.4764, 46.2706**.

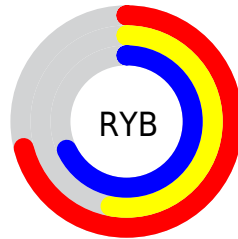
# Distribution



Red (71%)

Green (53%)

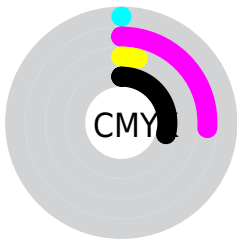
Blue (68%)



Red (71%)

Yellow (53%)

Blue (68%)

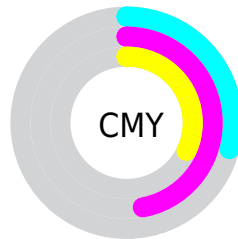


Cyan (0%)

Magenta (26%)

Yellow (4%)

Black (29%)



Cyan (29%)

Magenta (47%)


Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.2211, 29.9299, 43.9651 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 35.2211, 29.9299, 43.9651 by changing the saturation by 10% instead.





 35.2211, 29.9299,  
43.9651


 35.2211, 29.9299,  
43.9651


317.0341,  
301.5776, 378.6030


 24.0006, 19.7854,  
30.3061


 67.1599, 59.5513,  
82.4671

 15.4588, 12.2391,  
19.8170


 88.6089, 79.7970,  
108.1472

 9.2304, 6.9068,  
12.0793


 114.1981,  
104.1785, 138.6715

 4.9501, 3.4039,  
6.6745

144.2928,  
133.0803, 174.4583

 2.2525, 1.3460,  
3.1841

179.2584,  
166.8866, 215.9264

 0.7702, 0.1764,  
1.1894

219.4602,

 0.0000, 0.0000,

205.9821, 263.4941

0.0000

265.2637,  
250.7509, 317.5802

■ 35.2211, 29.9299,  
43.9651

■ 35.2211, 29.9299,  
43.9651

■ 32.6704, 25.2444,  
41.8314

■ 38.2071, 35.4764,  
46.2706

■ 30.5304, 21.3725,  
39.8601

■ 41.6458, 41.9206,  
48.7529

■ 28.7782, 18.2679,  
38.0438

■ 45.5573, 49.3016,  
51.4191

■ 27.3878, 15.8783,  
36.3736

■ 49.9593, 57.6552,  
54.2753

■ 26.3294, 14.1448,  
34.8396

■ 54.8690, 67.0153,  
57.3274

■ 25.5691, 12.9991,  
33.4302

■ 60.3023, 77.4141,  
60.5807

■ 25.0628, 12.3533,  
32.1306

■ 64.4277, 85.1885,  
63.4250

■ 24.8924, 12.1583,  
31.6246

■ 64.7311, 85.3098,  
65.0223

■ 65.0399, 85.4333,  
66.6486

# Harmonies

## Analogous

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



32.2691, 29.9299, 53.9725



35.2211, 29.9299, 43.9651



36.3253, 29.9299, 32.4579

# Triad

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



35.2211, 29.9299, 43.9651



28.4018, 29.9299, 15.9309



22.6425, 29.9299, 44.2424

# Complementary

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



35.2211, 29.9299, 43.9651



31.1643, 40.0400, 31.2869

# 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.



21.7998, 29.9299, 32.7196



35.2211, 29.9299, 43.9651



24.9401, 29.9299, 17.7627

# Square

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



35.2211, 29.9299, 43.9651



32.1831, 29.9299, 17.6756



22.6032, 29.9299, 23.3662



25.0127, 29.9299, 54.1559



# Rectangle

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



35.2211, 29.9299, 43.9651



35.7953, 29.9299, 25.8887



22.6032, 29.9299, 23.3662



22.1810, 29.9299, 40.3548

# Sweetspot

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



35.2220, 29.9312, 43.9657



73.1796, 72.4349, 86.3228



27.7271, 25.9865, 47.2711



15.6128, 15.2730, 18.5120



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.



35.2220, 29.9312, 43.9657



60.4502, 48.7597, 76.5813



33.1871, 29.1172, 33.2499



8.7945, 8.6245, 10.4165



17.1803, 8.3897, 21.9072



0.5553, 0.2699, 0.7669



# Inverse Universe

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



35.2220, 29.9312, 43.9657



60.4502, 48.7597, 76.5813



33.0362, 40.7888, 41.1444



8.7945, 8.6245, 10.4165



17.1803, 8.3897, 21.9072

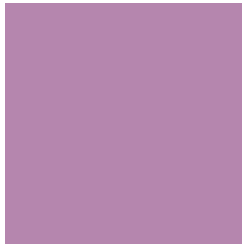


0.5553, 0.2699, 0.7669



# Previews

## White Background



This preview shows how the XYZ color 35.2211, 29.9299, 43.9651 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

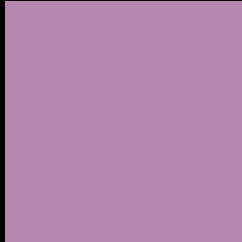
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.2211, 29.9299, 43.9651 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 35.2211, 29.9299, 43.9651

## Background



This preview shows how black text looks on a background with the XYZ color 35.2211, 29.9299, 43.9651.



This preview shows how white text looks on a background with the XYZ color 35.2211, 29.9299,



# 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

35.2211, 29.9299, 43.9651

### Protanopia

30.1217, 30.2614, 49.0532

### Deuteranopia

30.7087, 30.0017, 43.2021



## Tritanopia

33.0175, 30.1001, 32.5035

# Trichromacy



## Original Color

35.2211, 29.9299, 43.9651

## Protanomaly

31.7710, 30.0081, 47.2977

## Deuteranomaly

32.1720, 29.8534, 43.6018

## Tritanomaly

33.7076, 29.9436, 36.3509

# Monochromacy



## Original Color

35.2211, 29.9299, 43.9651

## Achromatopsia

30.2779, 31.8547, 34.6897

## Achromatomaly

31.8162, 30.9175, 38.0090

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.2211, 29.9299, 43.9651 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(181, 134, 174)` looks like.

```
.text, #text, p{  
    color:rgb(181, 134, 174)  
}
```

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(181, 134, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 134, 174) }
```

## Border

The CSS property to change the border of an element to XYZ 35.2211, 29.9299, 43.9651 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(181, 134, 174) }
```



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

```
.border{ border-color:rgb(181, 134, 174) }
```

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

Here you see how a box with a 4 pixel rgb(181, 134, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 134, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 134, 174);  
box-shadow:4px 4px 4px 4px rgb(181, 134,  
174) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.2211, 29.9299, 43.9651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 134, 174) }
```

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

```
.background{ background-color: rgb(181,  
134, 174) }
```

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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