

# Converting Colors

XYZ(58.9241, 51.2021, 69.1062)

Have a look what the booklet for  
XYZ(58.9241, 51.2021, 69.1062)  
contains.

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# Color

**XYZ(58.8221, 51.1346,  
69.0571)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E4ADD4
RGB	228, 173, 212
RGB Percent	89%, 68%, 83%
CMY	0.1059, 0.3215, 0.1686
CMYK	0.00, 0.24, 0.07, 0.11
HSL	317°, 50%, 79%
HSV	317°, 24%, 89%
XYZ	58.8221, 51.1346, 69.0571
YIQ	193.8910, 20.2610, 23.7890

# Conversions

## Conversions Part 2

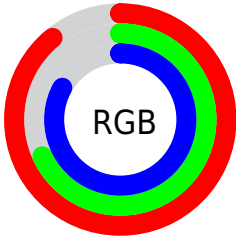
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	228, 173, 212
Decimal	14986708
CIE <sub>Lab</sub>	76.76, 26.26, -11.90
CIE <sub>LCh</sub>	77, 28.835, 335.618
Yxy	51.1346, 0.3286, 0.2856
Android (android.graphics.Color)	4293176788 (0xFFE4ADD4)
<b>YUV</b>	193.8910, 8.9277, 29.9136
Hunter-Lab	71.5085, 21.6924, -7.2016

# Details

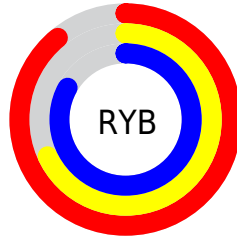
The XYZ color **58.8221, 51.1346, 69.0571** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **54.1643, 68.0465, 58.4266**, and the grayscale version is **51.1555, 53.8196, 58.6095**.

A 20% lighter version of the original color is **87.3093, 84.5186, 106.3198**, and **29.8155, 24.6379, 35.0824** is the 20% darker color. If you saturate the color by 10%, you get **53.9983, 42.7980, 63.4056**, and if you desaturate by 10%, it is **64.4294, 60.9815, 75.1405**.

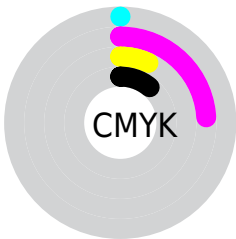
# Distribution



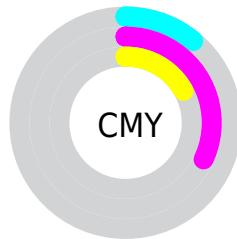
- Red (89%)
- Green (68%)
- Blue (83%)



- Red (89%)
- Yellow (68%)
- Blue (83%)



- Cyan (0%)
- Magenta (24%)
- Yellow (7%)
- Black (11%)



- Cyan (11%)
- Magenta (32%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.8221, 51.1346, 69.0571 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 58.8221, 51.1346, 69.0571 by changing the saturation by 10% instead.



■ 58.8221, 51.1346,  
69.0571

■ 58.8221, 51.1346,  
69.0571

410.1470,  
391.0865, 475.9317

■ 42.7157, 36.3157,  
50.2862

■ 102.2352, 91.8537,  
119.5316

■ 29.8557, 24.6781,  
35.2681

130.2726,  
118.5227, 152.0722

■ 19.8766, 15.8374,  
23.5842

163.0177,  
149.9106, 190.0399

■ 12.4131, 9.4092,  
14.8162

200.8360,  
186.4017, 233.8530

■ 7.0999, 5.0090,  
8.5453

244.0927,  
228.3805, 283.9303

■ 3.5715, 2.2526,  
4.3531

293.1532,

■ 1.4627, 0.7484,

276.2313, 340.6901

1.8210

348.3828,  
330.3385, 404.5511

■ 0.3003, 0.0000,  
0.4417

■ 0.0000, 0.0000,  
0.0000

■ 58.8221, 51.1346,  
69.0571

■ 58.8221, 51.1346,  
69.0571

■ 53.9983, 42.7980,  
63.4056

■ 64.4294, 60.9815,  
75.1405

■ 49.9150, 35.8890,  
58.1680

■ 70.8511, 72.4025,  
81.6665

■ 46.5323, 30.3273,  
53.3294

■ 78.1221, 85.4657,  
88.6491

■ 43.8043, 26.0220,  
48.8726

■ 83.2664, 94.2186,  
95.0982

41.6794, 22.8706,  
44.7782

84.2622, 94.6169,  
100.3418

40.0981, 20.7546,  
41.0241

85.2943, 95.0298,  
105.7767

38.9878, 19.5298,  
37.5841

85.8052, 95.2341,  
108.4674

38.4874, 19.0910,  
35.6847

# Harmonies

## Analogous

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



54.9865, 51.1346, 83.9210



58.8221, 51.1346, 69.0571



59.8356, 51.1346, 52.7806

# Triad

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



58.8221, 51.1346, 69.0571



47.5798, 51.1346, 30.7627



40.5453, 51.1346, 75.1208

# Complementary

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



58.8221, 51.1346, 69.0571



54.1643, 68.0465, 58.4266

# 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.



38.8703, 51.1346, 58.6772



58.8221, 51.1346, 69.0571



42.7317, 51.1346, 34.6088

# Square

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



58.8221, 51.1346, 69.0571



53.0733, 51.1346, 32.5058



39.6399, 51.1346, 44.1473



44.3890, 51.1346, 87.8564



# Rectangle

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



58.8221, 51.1346, 69.0571



58.7133, 51.1346, 43.6450



39.6399, 51.1346, 44.1473



39.7236, 51.1346, 69.7388

# Sweetspot

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



58.8236, 51.1369, 69.0582



88.7927, 88.8053, 102.7451



49.8324, 46.2568, 79.7015



18.8952, 18.8119, 21.8810



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



58.8236, 51.1369, 69.0582



72.5515, 60.2391, 85.2586



55.6884, 49.8828, 52.5485



14.8070, 14.5400, 17.1841



22.2778, 11.0453, 20.8896



1.6862, 0.8322, 1.7539



# Inverse Universe

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



58.8236, 51.1369, 69.0582



72.5515, 60.2391, 85.2586



57.3841, 69.3344, 75.3819



14.8070, 14.5400, 17.1841



22.2778, 11.0453, 20.8896



1.6862, 0.8322, 1.7539



# Previews

## White Background



This preview shows how the XYZ color 58.8221, 51.1346, 69.0571 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

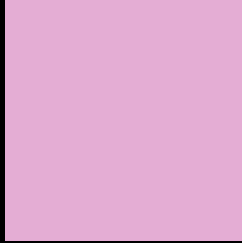
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.8221, 51.1346, 69.0571 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 58.8221, 51.1346, 69.0571**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.8221, 51.1346, 69.0571.



This preview shows how white text looks on a background with the XYZ color 58.8221, 51.1346,



# 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

58.8221, 51.1346, 69.0571

### Protanopia

50.6965, 51.3076, 76.3386

### Deuteranopia

52.5350, 51.4932, 68.1431



## Tritanopia

56.0677, 51.1695, 55.6368

# Trichromacy



## Original Color

58.8221, 51.1346, 69.0571



## Protanomaly

53.1416, 51.0710, 73.3865



## Deuteranomaly

54.8601, 51.4525, 68.6679



## Tritanomaly

57.0824, 51.2966, 60.3188

# Monochromacy



## Original Color

58.8221, 51.1346, 69.0571



## Achromatopsia

51.2775, 53.9479, 58.7493



## Achromatomaly

53.5551, 52.4567, 62.5608

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.8221, 51.1346, 69.0571 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(228, 173, 212)` looks like.

```
.text, #text, p{  
    color:rgb(228, 173, 212)  
}
```

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(228, 173, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 173, 212) }
```

## Border

The CSS property to change the border of an element to XYZ 58.8221, 51.1346, 69.0571 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(228, 173, 212) }
```



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

```
.border{ border-color:rgb(228, 173, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 173, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 173, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 173, 212);  
box-shadow:4px 4px 4px 4px rgb(228, 173,  
212) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.8221, 51.1346, 69.0571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 173, 212) }
```

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

```
.background{ background-color: rgb(228,  
173, 212) }
```

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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