

# Converting Colors

XYZ(56.8169, 51.3874, 68.1132)

Have a look what the booklet for  
XYZ(56.8169, 51.3874, 68.1132)  
contains.

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# Color

**XYZ(56.5684, 51.1575,  
67.8657)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBB1D2
RGB	219, 177, 210
RGB Percent	86%, 69%, 82%
CMY	0.1412, 0.3059, 0.1765
CMYK	0.00, 0.19, 0.04, 0.14
HSL	313°, 37%, 78%
HSV	313°, 19%, 86%
XYZ	56.5684, 51.1575, 67.8657
YIQ	193.3200, 14.4390, 19.1670

# Conversions

## Conversions Part 2

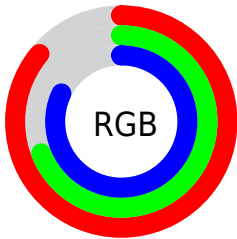
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	219, 177, 210
Decimal	14397906
CIE <sub>Lab</sub>	76.77, 20.69, -10.89
CIE <sub>LCh</sub>	77, 23.380, 332.250
Yxy	51.1575, 0.3222, 0.2913
Android (android.graphics.Color)	4292587986 (0xFFDDBB1D2)
YUV	193.3200, 8.2232, 22.5214
Hunter-Lab	71.5245, 16.0071, -6.1899

# Details

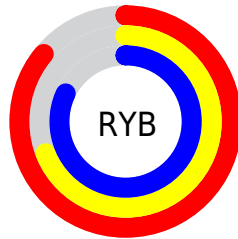
The XYZ color **56.5684, 51.1575, 67.8657** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **52.3279, 63.5567, 55.9669**, and the grayscale version is **50.8252, 53.4721, 58.2311**.

A 20% lighter version of the original color is **88.4289, 86.7578, 106.6930**, and **28.5182, 24.7081, 34.7186** is the 20% darker color. If you saturate the color by 10%, you get **52.0092, 42.9606, 63.5037**, and if you desaturate by 10%, it is **61.8419, 60.7541, 72.5516**.

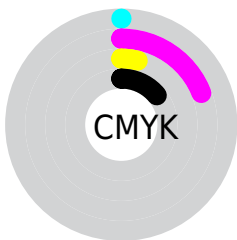
# Distribution



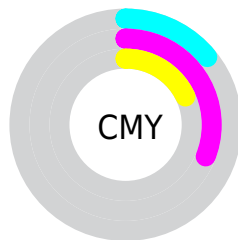
- Red (86%)
- Green (69%)
- Blue (82%)



- Red (86%)
- Yellow (69%)
- Blue (82%)



- Cyan (0%)
- Magenta (19%)
- Yellow (4%)
- Black (14%)



- Cyan (14%)
- Magenta (31%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.5684, 51.1575, 67.8657 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 56.5684, 51.1575, 67.8657 by changing the saturation by 10% instead.



56.5684, 51.1575,  
67.8657

56.5684, 51.1575,  
67.8657

401.8704,  
391.1754, 471.6052

40.8976, 36.3340,  
49.3225

98.9702, 91.8875,  
117.8124

28.4264, 24.6922,  
34.5080

126.4318,  
118.5628, 150.0529

18.7894, 15.8479,  
23.0036

158.5545,  
149.9575, 187.6964

11.6213, 9.4166,  
14.3908

195.7035,  
186.4560, 231.1612

6.5567, 5.0139,  
8.2511

238.2443,  
228.4426, 280.8659

3.2303, 2.2554,  
4.1660

286.5421,

1.2767, 0.7500,

276.3018, 337.2291

1.7168

340.9624,  
330.4179, 400.6694

■ 0.1657, 0.0000,  
0.3722

■ 0.0000, 0.0000,  
0.0000

■ 56.5684, 51.1575,  
67.8657

■ 56.5684, 51.1575,  
67.8657

■ 52.0092, 42.9606,  
63.5037

■ 61.8419, 60.7541,  
72.5516

■ 48.1267, 36.0904,  
59.4505

■ 67.8562, 71.8053,  
77.5692

■ 44.8864, 30.4777,  
55.6946

■ 74.6418, 84.3715,  
82.9300

■ 42.2490, 26.0442,  
52.2221

■ 79.0851, 92.2248,  
87.5966

40.1709, 22.7028,  
49.0177

79.7487, 92.4902,  
91.0908

38.6025, 20.3543,  
46.0642

80.4301, 92.7628,  
94.6789

37.4849, 18.8816,  
43.3412

81.1294, 93.0425,  
98.3618

36.7235, 18.0955,  
40.8163

81.8469, 93.3295,  
102.1400

36.6667, 18.0414,  
40.6138

82.5827, 93.6238,  
106.0144

# Harmonies

## Analogous

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



53.3180, 51.1575, 79.0169



56.5684, 51.1575, 67.8657



57.6530, 51.1575, 54.7484

# Triad

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



56.5684, 51.1575, 67.8657



48.2896, 51.1575, 34.6870



41.7618, 51.1575, 69.7781

# Complementary

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



56.5684, 51.1575, 67.8657



52.3279, 63.5567, 55.9669

# 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.



40.5901, 51.1575, 56.6663



56.5684, 51.1575, 67.8657



44.2133, 51.1575, 37.4935

# Square

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



56.5684, 51.1575, 67.8657



52.7037, 51.1575, 36.7618



41.4600, 51.1575, 45.0858



44.7599, 51.1575, 80.2338



# Rectangle

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



56.5684, 51.1575, 67.8657



56.9518, 51.1575, 46.9559



41.4600, 51.1575, 45.0858



41.1498, 51.1575, 65.4715

# Sweetspot

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



56.5699, 51.1597, 67.8668



89.8384, 90.4143, 104.5806



48.6148, 46.9255, 73.5139



19.1127, 19.1390, 22.2862



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.



56.5699, 51.1597, 67.8668



77.1508, 67.3347, 93.2748



54.1879, 50.2070, 55.3234



13.4887, 13.2246, 15.8345



21.7831, 10.7143, 24.3018



1.4416, 0.7063, 1.7345



# Inverse Universe

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



56.5699, 51.1597, 67.8668



77.1508, 67.3347, 93.2748



54.6540, 64.4872, 68.2158



13.4887, 13.2246, 15.8345



21.7831, 10.7143, 24.3018

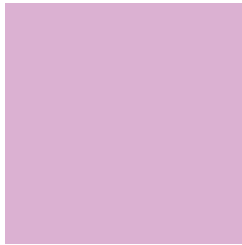


1.4416, 0.7063, 1.7345



# Previews

## White Background



This preview shows how the XYZ color 56.5684, 51.1575, 67.8657 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

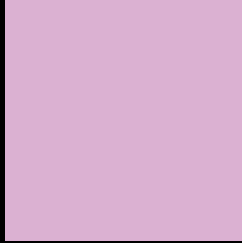
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.5684, 51.1575, 67.8657 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

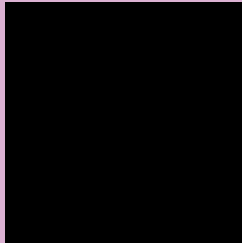
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 56.5684, 51.1575, 67.8657**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.5684, 51.1575, 67.8657.



This preview shows how white text looks on a background with the XYZ color 56.5684, 51.1575,



# 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

56.5684, 51.1575, 67.8657

### Protanopia

50.5152, 51.2905, 72.8833

### Deuteranopia

52.4108, 51.4435, 67.4888



## Tritanopia

54.6741, 51.2893, 58.0571

# Trichromacy



## Original Color

56.5684, 51.1575, 67.8657

## Protanomaly

52.3040, 51.0063, 70.7068

## Deuteranomaly

53.6902, 51.1812, 67.3708

## Tritanomaly

55.4589, 51.3158, 61.6255

# Monochromacy



## Original Color

56.5684, 51.1575, 67.8657

## Achromatopsia

50.6879, 53.3276, 58.0738

## Achromatomaly

52.4362, 52.2207, 61.3488

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.5684, 51.1575, 67.8657 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(219, 177, 210)` looks like.

```
.text, #text, p{  
    color:rgb(219, 177, 210)  
}
```

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(219, 177, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 177, 210) }
```

## Border

The CSS property to change the border of an element to XYZ 56.5684, 51.1575, 67.8657 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(219, 177, 210) }
```



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

```
.border{ border-color:rgb(219, 177, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 177, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 177, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 177, 210);  
box-shadow:4px 4px 4px 4px rgb(219, 177,  
210) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.5684, 51.1575, 67.8657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 177, 210) }
```

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

```
.background{ background-color: rgb(219,  
177, 210) }
```

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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