

# Converting Colors

XYZ(45.7033, 38.0265, 51.2962)

Have a look what the booklet for  
XYZ(45.7033, 38.0265, 51.2962)  
contains.

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# Color

**XYZ(45.5911, 37.9679,  
51.3800)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D193BA
RGB	209, 147, 186
RGB Percent	82%, 58%, 73%
CMY	0.1804, 0.4235, 0.2706
CMYK	0.00, 0.30, 0.11, 0.18
HSL	322°, 40%, 70%
HSV	322°, 30%, 82%
XYZ	45.5911, 37.9679, 51.3800
YIQ	169.9840, 24.4330, 25.2730

# Conversions

## Conversions Part 2

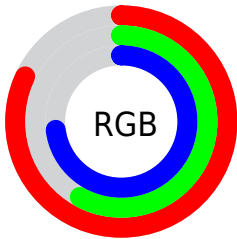
Format	Color
R <sub>Y</sub> B	209, 147, 186
Decimal	13734842
CIE Lab	68.00, 29.34, -10.88
CIE LCh	68, 31.295, 339.647
Yxy	37.9679, 0.3379, 0.2814
Android (android.graphics.Color)	4291924922 (0xFFD193BA)
YUV	169.9840, 7.8959, 34.2170
Hunter-Lab	61.6181, 24.2401, -6.3061

# Details

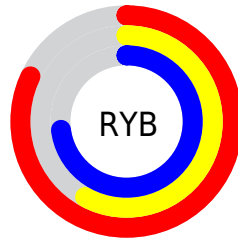
The XYZ color **45.5911, 37.9679, 51.3800** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **42.0903, 54.7073, 46.3738**, and the grayscale version is **38.1548, 40.1419, 43.7145**.

A 20% lighter version of the original color is **78.3875, 69.9119, 93.3673**, and **21.6523, 16.7479, 24.2818** is the 20% darker color. If you saturate the color by 10%, you get **41.8297, 31.7283, 46.1692**, and if you desaturate by 10%, it is **49.9899, 45.4097, 57.0248**.

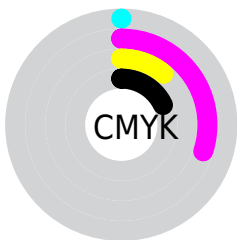
# Distribution



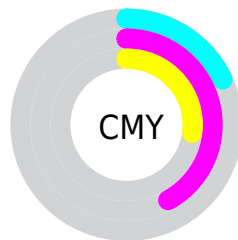
- Red (82%)
- Green (58%)
- Blue (73%)



- Red (82%)
- Yellow (58%)
- Blue (73%)



- Cyan (0%)
- Magenta (30%)
- Yellow (11%)
- Black (18%)




- Cyan (18%)
- Magenta (42%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.5911, 37.9679, 51.3800 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 45.5911, 37.9679, 51.3800 by changing the saturation by 10% instead.





 45.5911, 37.9679,  
51.3800


 45.5911, 37.9679,  
51.3800


359.9058,  
337.4823, 408.9270

 32.1265, 25.9578,  
36.1323


 82.8383, 72.0589,  
93.6335

 21.6142, 16.7921,  
24.2459


 107.3517, 94.9086,  
121.4763

 13.6887, 10.0863,  
15.3022


136.2787,  
122.1403, 154.3546

 7.9847, 5.4562,  
8.8828

169.9847,  
154.1384, 192.6869

 4.1369, 2.5174,  
4.5690

208.8351,  
191.2872, 236.8918

 1.7799, 0.8853,  
1.9424

253.1951,

 0.5055, 0.0000,

233.9712, 287.3877

0.5195

303.4303,  
282.5747, 344.5933

■ 0.0000, 0.0000,  
0.0000

■ 45.5911, 37.9679,  
51.3800

■ 45.5911, 37.9679,  
51.3800

■ 41.8297, 31.7283,  
46.1692

■ 49.9899, 45.4097,  
57.0248

■ 38.6697, 26.6213,  
41.3757

■ 55.0529, 54.1078,  
63.1147

■ 36.0763, 22.5785,  
36.9849

■ 60.8097, 64.1196,  
69.6632

■ 34.0099, 19.5215,  
32.9797

■ 67.2867, 75.4971,  
76.6824

■ 32.4254, 17.3613,  
29.3415

■ 74.5092, 88.2896,  
84.1840

■ 31.2694, 15.9923,  
26.0486

■ 76.6947, 90.9314,  
90.2435

■ 30.4484, 15.2291,  
23.0659

■ 77.8241, 91.3832,  
96.1909

■ 30.4229, 15.2067,  
22.9695

■ 79.0027, 91.8546,  
102.3977

■ 80.1047, 92.2954,  
108.2006

# Harmonies

## Analogous

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



42.3934, 37.9679, 65.6005



45.5911, 37.9679, 51.3800



46.1213, 37.9679, 37.0103

# Triad

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



45.5911, 37.9679, 51.3800



34.5419, 37.9679, 20.1485



29.3508, 37.9679, 60.9064

# Complementary

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



45.5911, 37.9679, 51.3800



42.0903, 54.7073, 46.3738

# 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.



27.6257, 37.9679, 45.9961



45.5911, 37.9679, 51.3800



30.4398, 37.9679, 23.9479

# Square

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



45.5911, 37.9679, 51.3800



39.4409, 37.9679, 20.9607



28.0056, 37.9679, 32.7023



32.9295, 37.9679, 71.9018



# Rectangle

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



45.5911, 37.9679, 51.3800



44.8464, 37.9679, 29.4505



28.0056, 37.9679, 32.7023



28.5502, 37.9679, 56.0647

# Sweetspot

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



45.5922, 37.9696, 51.3808



86.8199, 85.6851, 99.5432



38.4639, 33.9892, 64.8554



18.3166, 17.8796, 20.9947



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.



45.5922, 37.9696, 51.3808



67.4163, 52.7429, 74.9940



42.6684, 36.8001, 35.9841



12.1170, 11.9315, 13.8920



18.8068, 9.3955, 14.4205



1.0892, 0.5404, 1.0046



# Inverse Universe

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



45.5922, 37.9696, 51.3808



67.4163, 52.7429, 74.9940



45.3456, 56.0094, 63.5157



12.1170, 11.9315, 13.8920



18.8068, 9.3955, 14.4205

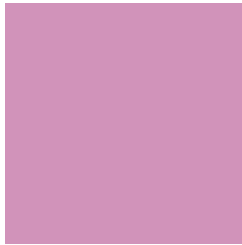


1.0892, 0.5404, 1.0046



# Previews

## White Background



This preview shows how the XYZ color 45.5911, 37.9679, 51.3800 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

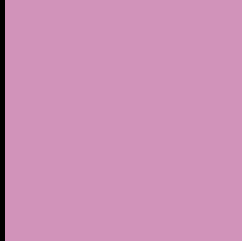
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.5911, 37.9679, 51.3800 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

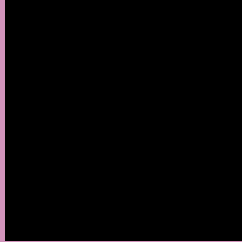
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 45.5911, 37.9679, 51.3800

## Background



This preview shows how black text looks on a background with the XYZ color 45.5911, 37.9679, 51.3800.



This preview shows how white text looks on a background with the XYZ color 45.5911, 37.9679,



# 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

45.5911, 37.9679, 51.3800

### Protanopia

37.9463, 38.3584, 58.8300

### Deuteranopia

38.9231, 38.2582, 50.1329



## Tritanopia

43.1311, 37.8994, 39.6924

# Trichromacy



## Original Color

45.5911, 37.9679, 51.3800

## Protanomaly

40.0959, 37.6959, 56.2017

## Deuteranomaly

41.2022, 38.1394, 50.5375

## Tritanomaly

43.9892, 38.0184, 43.5479

# Monochromacy



## Original Color

45.5911, 37.9679, 51.3800

## Achromatopsia

38.2080, 40.1978, 43.7754

## Achromatomaly

40.5240, 39.1656, 46.4982

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.5911, 37.9679, 51.3800 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(209, 147, 186)` looks like.

```
.text, #text, p{  
    color:rgb(209, 147, 186)  
}
```

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(209, 147, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 147, 186) }
```

## Border

The CSS property to change the border of an element to XYZ 45.5911, 37.9679, 51.3800 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(209, 147, 186) }
```



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

```
.border{ border-color:rgb(209, 147, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 147, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 147, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 147, 186);  
box-shadow:4px 4px 4px 4px rgb(209, 147,  
186) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.5911, 37.9679, 51.3800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 147, 186) }
```

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

```
.background{ background-color: rgb(209,  
147, 186) }
```

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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