

# Converting Colors

XYZ(45.9390, 38.1313, 51.7018)

Have a look what the booklet for  
XYZ(45.9390, 38.1313, 51.7018)  
contains.

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# Color

**XYZ(45.9817, 38.1569,  
51.9552)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D293BB
RGB	210, 147, 187
RGB Percent	82%, 58%, 73%
CMY	0.1765, 0.4235, 0.2667
CMYK	0.00, 0.30, 0.11, 0.18
HSL	322°, 41%, 70%
HSV	322°, 30%, 82%
XYZ	45.9817, 38.1569, 51.9552
YIQ	170.3970, 24.7080, 25.7960

# Conversions

## Conversions Part 2

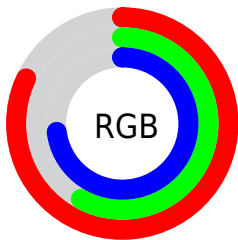
Format	Color
R <sub>Y</sub> B	210, 147, 187
Decimal	13800379
CIE Lab	68.14, 29.86, -11.22
CIE LCh	68, 31.896, 339.397
Yxy	38.1569, 0.3379, 0.2804
Android (android.graphics.Color)	4291990459 (0xFFD293BB)
YUV	170.3970, 8.1853, 34.7318
Hunter-Lab	61.7713, 24.7733, -6.6283

# Details

The XYZ color **45.9817, 38.1569, 51.9552** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **42.3365, 55.1996, 46.4559**, and the grayscale version is **38.3593, 40.3569, 43.9487**.

A 20% lighter version of the original color is **78.5382, 69.9721, 94.1606**, and **21.9129, 16.8742, 24.6564** is the 20% darker color. If you saturate the color by 10%, you get **42.2106, 31.8929, 46.7562**, and if you desaturate by 10%, it is **50.3950, 45.6340, 57.5854**.

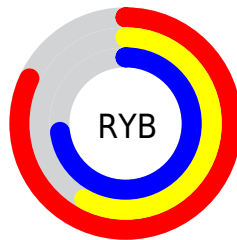
# Distribution



Red (82%)

Green (58%)

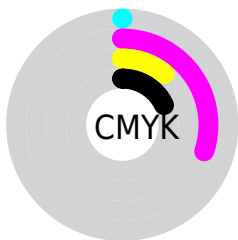
Blue (73%)



Red (82%)

Yellow (58%)

Blue (73%)

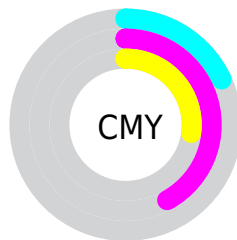


Cyan (0%)

Magenta (30%)

Yellow (11%)

Black (18%)



Cyan (18%)

Magenta (42%)


Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.9817, 38.1569, 51.9552 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 45.9817, 38.1569, 51.9552 by changing the saturation by 10% instead.





 45.9817, 38.1569,  
51.9552

 45.9817, 38.1569,  
51.9552


361.4522,  
338.2926, 411.2157

 32.4359, 26.1045,  
36.5874


 83.4196, 72.3486,  
94.4911

 21.8519, 16.9018,  
24.5949


 108.0425, 95.2566,  
122.4962

 13.8641, 10.1645,  
15.5592


137.0885,  
122.5520, 155.5508

 8.1073, 5.5082,  
9.0618

170.9230,  
154.6191, 194.0735

 4.2160, 2.5484,  
4.6842

209.9112,  
191.8423, 238.4828

 1.8251, 0.9008,  
2.0077

254.4186,

 0.5327, 0.0000,

234.6060, 289.1972

0.5600

304.8105,  
283.2946, 346.6353

■ 0.0000, 0.0000,  
0.0000

■ 45.9817, 38.1569,  
51.9552

■ 45.9817, 38.1569,  
51.9552

■ 42.2106, 31.8929,  
46.7562

■ 50.3950, 45.6340,  
57.5854

■ 39.0451, 26.7716,  
41.9715

■ 55.4777, 54.3793,  
63.6578

■ 36.4501, 22.7234,  
37.5865


■ 61.2597, 64.4508,  
70.1859


■ 34.3853, 19.6689,  
33.5843


■ 67.7677, 75.9012,  
77.1820


■ 32.8048, 17.5173,  
29.9458

■ 75.0273, 88.7806,  
84.6574


 31.6544, 16.1613,  
26.6494


 77.0472, 91.1052,  
90.6181

 30.8352, 15.4045,  
23.6583

 78.1667, 91.5530,  
96.5136

 30.8350, 15.4043,  
23.6578

 79.3345, 92.0201,  
102.6629

 80.3886, 92.4418,  
108.2139

# Harmonies

## Analogous

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



42.6858, 38.1569, 66.5262



45.9817, 38.1569, 51.9552



46.5505, 38.1569, 37.2304

# Triad

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



45.9817, 38.1569, 51.9552



34.7269, 38.1569, 19.9500



29.3635, 38.1569, 61.4806

# Complementary

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



45.9817, 38.1569, 51.9552



42.3365, 55.1996, 46.4559

# 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.



27.6218, 38.1569, 46.1837



45.9817, 38.1569, 51.9552



30.5263, 38.1569, 23.7632

# Square

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



45.9817, 38.1569, 51.9552



39.7395, 38.1569, 20.8114



28.0271, 38.1569, 32.6298



33.0029, 38.1569, 72.8406



# Rectangle

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



45.9817, 38.1569, 51.9552



45.2591, 38.1569, 29.4938



28.0271, 38.1569, 32.6298



28.5526, 38.1569, 56.5027

# Sweetspot

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



45.9828, 38.1586, 51.9560



86.8407, 85.6934, 99.6527



38.4411, 33.9631, 65.5029



18.3217, 17.8816, 21.0217



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.



45.9828, 38.1586, 51.9560



67.4884, 52.7717, 75.3738



43.0524, 36.9865, 36.5245



12.1200, 11.9327, 13.9079



18.8585, 9.4162, 14.6930



1.0919, 0.5415, 1.0186



# Inverse Universe

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



45.9828, 38.1586, 51.9560



67.4884, 52.7717, 75.3738



45.5703, 56.4931, 63.4846



12.1200, 11.9327, 13.9079



18.8585, 9.4162, 14.6930



1.0919, 0.5415, 1.0186



# Previews

## White Background



This preview shows how the XYZ color 45.9817, 38.1569, 51.9552 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

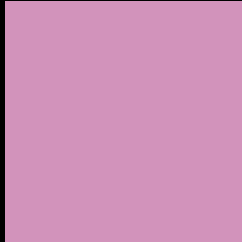
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.9817, 38.1569, 51.9552 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

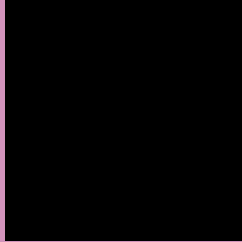
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 45.9817, 38.1569, 51.9552**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.9817, 38.1569, 51.9552.



This preview shows how white text looks on a background with the XYZ color 45.9817, 38.1569,



# 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

45.9817, 38.1569, 51.9552

### Protanopia

38.0620, 38.4047, 59.4396

### Deuteranopia

39.0276, 38.3000, 50.6831



## Tritanopia

43.4096, 38.0430, 39.7054

# Trichromacy



**Original Color**

45.9817, 38.1569, 51.9552

**Protanomaly**

40.4373, 37.8588, 56.8060

**Deuteranomaly**

41.3074, 38.1815, 51.0916

**Tritanomaly**

44.3652, 38.2011, 44.0650

# Monochromacy



**Original Color**

45.9817, 38.1569, 51.9552

**Achromatopsia**

38.2080, 40.1978, 43.7754

**Achromatomaly**

40.7644, 39.2895, 46.5094

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.9817, 38.1569, 51.9552 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(210, 147, 187)` looks like.

```
.text, #text, p{  
    color:rgb(210, 147, 187)  
}
```

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(210, 147, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 147, 187) }
```

## Border

The CSS property to change the border of an element to XYZ 45.9817, 38.1569, 51.9552 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(210, 147, 187) }
```



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

```
.border{ border-color:rgb(210, 147, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 147, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 147, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 147, 187);  
box-shadow:4px 4px 4px 4px rgb(210, 147,  
187) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.9817, 38.1569, 51.9552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 147, 187) }
```

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

```
.background{ background-color: rgb(210,  
147, 187) }
```

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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