

# Converting Colors

XYZ(45.7930, 38.6256, 42.8108)

Have a look what the booklet for  
XYZ(45.7930, 38.6256, 42.8108)  
contains.

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# Color

**XYZ(45.9332, 38.8065,  
42.6056)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D795A9
RGB	215, 149, 169
RGB Percent	84%, 58%, 66%
CMY	0.1569, 0.4157, 0.3373
CMYK	0.00, 0.31, 0.21, 0.16
HSL	342°, 45%, 71%
HSV	342°, 31%, 84%
XYZ	45.9332, 38.8065, 42.6056
YIQ	171.0140, 32.9160, 20.2120

# Conversions

## Conversions Part 2

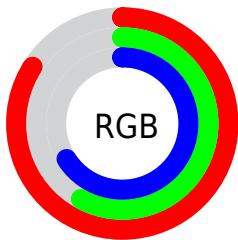
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	215, 149, 169
Decimal	14128553
CIE Lab	68.61, 27.67, -0.40
CIE LCh	69, 27.674, 359.164
Yxy	38.8065, 0.3607, 0.3047
Android (android.graphics.Color)	4292318633 (0xFFD795A9)
YUV	171.0140, -0.9929, 38.5757
Hunter-Lab	62.2949, 22.6012, 3.0559

# Details

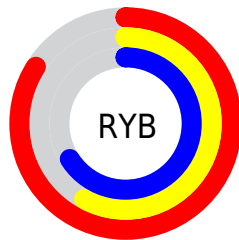
The XYZ color **45.9332, 38.8065, 42.6056** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **46.5468, 58.9315, 60.5542**, and the grayscale version is **38.7099, 40.7258, 44.3504**.

A 20% lighter version of the original color is **76.2874, 69.8275, 79.9783**, and **21.7837, 17.2047, 19.0023** is the 20% darker color. If you saturate the color by 10%, you get **41.5133, 32.0903, 34.5846**, and if you desaturate by 10%, it is **51.1445, 46.8466, 51.6868**.

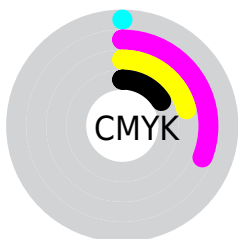
# Distribution



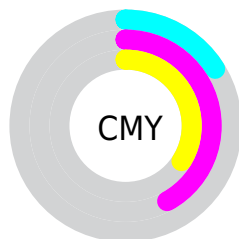
- Red (84%)
- Green (58%)
- Blue (66%)



- Red (84%)
- Yellow (58%)
- Blue (66%)



- Cyan (0%)
- Magenta (31%)
- Yellow (21%)
- Black (16%)




- Cyan (16%)
- Magenta (42%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.9332, 38.8065, 42.6056 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 45.9332, 38.8065, 42.6056 by changing the saturation by 10% instead.





 45.9332, 38.8065,  
42.6056

 45.9332, 38.8065,  
42.6056


361.2605,  
341.0671, 372.8607

 32.3975, 26.6092,  
29.2467


 83.3475, 73.3426,  
80.3953

 21.8223, 17.2800,  
19.0203


 107.9568, 96.4503,  
105.6632

 13.8423, 10.4343,  
11.5080


136.9880,  
123.9635, 135.7378

 8.0920, 5.6878,  
6.2912

170.8066,  
156.2667, 171.0377

 4.2062, 2.6562,  
2.9513

209.7777,  
193.7443, 211.9814

 1.8194, 0.9550,  
1.0698

254.2668,

 0.5293, 0.0000,

236.7806, 258.9874

0.0000

304.6393,  
285.7601, 312.4744

■ 0.0000, 0.0000,  
0.0000

■ 45.9332, 38.8065,  
42.6056

■ 45.9332, 38.8065,  
42.6056

■ 41.5133, 32.0903,  
34.5846

■ 51.1445, 46.8466,  
51.6868

■ 37.8414, 26.6212,  
27.5813

■ 57.1809, 56.2710,  
61.8638

■ 34.8750, 22.3228,  
21.5539

■ 64.0783, 67.1432,  
73.1731

■ 32.5657, 19.1081,  
16.4562

■ 71.8694, 79.5209,  
85.6490

■ 30.8586, 16.8776,  
12.2379

■ 80.1030, 92.4946,  
99.1636

■ 29.6892, 15.5134,  
8.8432

■ 81.8345, 93.1872,  
108.2815

■ 28.9828, 14.8305,  
6.3577

# Harmonies

## Analogous

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



44.5739, 38.8065, 55.8173



45.9332, 38.8065, 42.6056



44.7131, 38.8065, 31.5852

# Triad

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



45.9332, 38.8065, 42.6056



32.9421, 38.8065, 24.5415



32.7457, 38.8065, 66.4473

# Complementary

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



45.9332, 38.8065, 42.6056



46.5468, 58.9315, 60.5542

# 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.



30.0274, 38.8065, 55.0887



45.9332, 38.8065, 42.6056



30.1344, 38.8065, 31.0872

# Square

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



45.9332, 38.8065, 42.6056



37.0071, 38.8065, 22.4816



29.1096, 38.8065, 41.9037



36.7620, 38.8065, 71.1475



# Rectangle

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



45.9332, 38.8065, 42.6056



42.6519, 38.8065, 26.5464



29.1096, 38.8065, 41.9037



31.6618, 38.8065, 63.1835

# Sweetspot

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



45.9343, 38.8083, 42.6064



85.6912, 85.2336, 93.5995



45.2884, 37.8857, 69.2160



18.0390, 17.7685, 19.5327



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.



45.9343, 38.8083, 42.6064



63.1348, 50.3120, 54.6627



46.2128, 42.1435, 34.1348



12.5766, 12.4821, 13.7106



17.3765, 8.8869, 4.0207



1.0845, 0.5506, 0.4345



# Inverse Universe

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



45.9343, 38.8083, 42.6064



63.1348, 50.3120, 54.6627



45.9938, 53.9617, 72.2818



12.5766, 12.4821, 13.7106



17.3765, 8.8869, 4.0207



1.0845, 0.5506, 0.4345



# Previews

## White Background



This preview shows how the XYZ color 45.9332, 38.8065, 42.6056 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

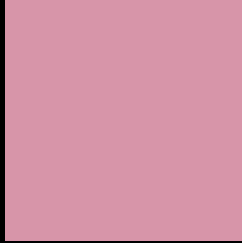
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.9332, 38.8065, 42.6056 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 45.9332, 38.8065, 42.6056**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.9332, 38.8065, 42.6056.



This preview shows how white text looks on a background with the XYZ color 45.9332, 38.8065,



# 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

45.9332, 38.8065, 42.6056

### Protanopia

37.8917, 39.1076, 48.1992

### Deuteranopia

39.6625, 38.8210, 41.9620



## Tritanopia

45.1595, 38.7175, 39.2755

# Trichromacy



## Original Color

45.9332, 38.8065, 42.6056

## Protanomaly

40.0758, 38.4271, 45.8624

## Deuteranomaly

41.6305, 38.5432, 42.2912

## Tritanomaly

45.4294, 38.8254, 40.6970

# Monochromacy



## Original Color

45.9332, 38.8065, 42.6056

## Achromatopsia

38.7082, 40.7240, 44.3485

## Achromatomaly

40.8464, 39.6615, 43.5328

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.9332, 38.8065, 42.6056 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(215, 149, 169) looks like.

```
.text, #text, p{  
    color:rgb(215, 149, 169)  
}
```

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(215, 149, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 149, 169) }
```

## Border

The CSS property to change the border of an element to XYZ 45.9332, 38.8065, 42.6056 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(215, 149, 169) }
```



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

```
.border{ border-color:rgb(215, 149, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 149, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 149, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 149, 169);  
box-shadow:4px 4px 4px 4px rgb(215, 149,  
169) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.9332, 38.8065, 42.6056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 149, 169) }
```

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

```
.background{ background-color: rgb(215,  
149, 169) }
```

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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