

# Converting Colors

XYZ(45.2546, 38.4347, 43.5871)

Have a look what the booklet for  
XYZ(45.2546, 38.4347, 43.5871)  
contains.

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# Color

**XYZ(45.2495, 38.4322,  
43.5613)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D495AB
RGB	212, 149, 171
RGB Percent	83%, 58%, 67%
CMY	0.1686, 0.4157, 0.3294
CMYK	0.00, 0.30, 0.19, 0.17
HSL	339°, 42%, 71%
HSV	339°, 30%, 83%
XYZ	45.2495, 38.4322, 43.5613
YIQ	170.3450, 30.4860, 20.1980

# Conversions

## Conversions Part 2

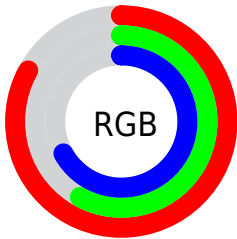
Format	Color
R <sub>Y</sub> B	212, 149, 171
Decimal	13931947
CIE Lab	68.34, 26.89, -1.96
CIE LCh	68, 26.962, 355.831
Yxy	38.4322, 0.3556, 0.3020
Android (android.graphics.Color)	4292122027 (0xFFD495AB)
YUV	170.3450, 0.3229, 36.5314
Hunter-Lab	61.9937, 21.7990, 1.7341

# Details

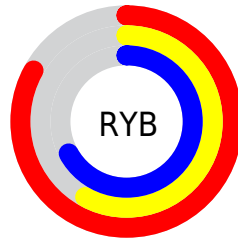
The XYZ color **45.2495, 38.4322, 43.5613** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **45.2338, 57.1952, 57.3737**, and the grayscale version is **38.3693, 40.3675, 43.9602**.

A 20% lighter version of the original color is **76.5603, 69.9367, 81.4155**, and **21.3148, 16.9492, 19.6009** is the 20% darker color. If you saturate the color by 10%, you get **40.9485, 31.8260, 35.9741**, and if you desaturate by 10%, it is **50.3005, 46.3179, 52.0767**.

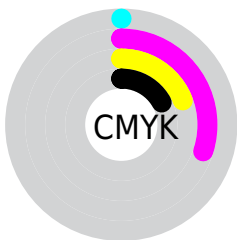
# Distribution



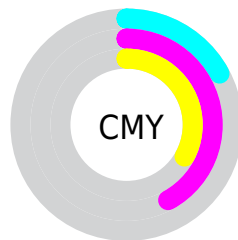
- Red (83%)
- Green (58%)
- Blue (67%)



- Red (83%)
- Yellow (58%)
- Blue (67%)



- Cyan (0%)
- Magenta (30%)
- Yellow (19%)
- Black (17%)




- Cyan (17%)
- Magenta (42%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.2495, 38.4322, 43.5613 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 45.2495, 38.4322, 43.5613 by changing the saturation by 10% instead.





 45.2495, 38.4322,  
43.5613

 45.2495, 38.4322,  
43.5613


358.5498,  
339.4704, 376.9039

 31.8561, 26.3183,  
29.9911


 82.3294, 72.7701,  
81.8526

 21.4066, 17.0619,  
19.5798


 106.7467, 95.7629,  
107.4108

 13.5357, 10.2786,  
11.9090


135.5693,  
123.1508, 137.8021

 7.8780, 5.5841,  
6.5599

169.1626,  
155.3182, 173.4451

 4.0681, 2.5939,  
3.1142

207.8920,  
192.6494, 214.7582

 1.7407, 0.9236,  
1.1532

252.1227,

 0.4816, 0.0000,

235.5289, 262.1600

0.0000

302.2202,  
284.3411, 316.0690

■ 0.0000, 0.0000,  
0.0000

■ 45.2495, 38.4322,  
43.5613

■ 45.2495, 38.4322,  
43.5613

■ 40.9485, 31.8260,  
35.9741

■ 50.3005, 46.3179,  
52.0767

■ 37.3569, 26.4258,  
29.2797

■ 56.1329, 55.5406,  
61.5494

■ 34.4350, 22.1593,  
23.4435

■ 62.7801, 66.1607,  
72.0098

■ 32.1379, 18.9436,  
18.4277

■ 70.2728, 78.2336,  
83.4865

■ 30.4145, 16.6848,  
14.1910

■ 78.6382, 91.8078,  
96.0060

■ 29.2051, 15.2717,  
10.6876

■ 80.7669, 92.6593,  
107.2157

■ 28.4082, 14.5103,  
7.8559

■ 80.9615, 92.7371,  
108.2407

■ 28.3884, 14.4919,  
7.7836

# Harmonies

## Analogous

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



43.6747, 38.4322, 56.3285



45.2495, 38.4322, 43.5613



44.3437, 38.4322, 32.5010

# Triad

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



45.2495, 38.4322, 43.5613



33.1004, 38.4322, 24.1965



32.1512, 38.4322, 64.2116

# Complementary

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



45.2495, 38.4322, 43.5613



45.2338, 57.1952, 57.3737

# 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.



29.6904, 38.4322, 52.8302



45.2495, 38.4322, 43.5613



30.2080, 38.4322, 30.0868

# Square

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



45.2495, 38.4322, 43.5613



37.1227, 38.4322, 22.6587



29.0071, 38.4322, 40.1766



35.9409, 38.4322, 69.6204



# Rectangle

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



45.2495, 38.4322, 43.5613



42.4897, 38.4322, 27.2716



29.0071, 38.4322, 40.1766



31.1529, 38.4322, 60.8621

# Sweetspot

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



45.2506, 38.4340, 43.5621



85.8483, 85.2964, 94.4266



43.8553, 37.1910, 67.1549



18.0775, 17.7839, 19.7355



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.



45.2506, 38.4340, 43.5621



64.2517, 51.4771, 58.3297



44.8813, 40.7763, 33.9411



12.6005, 12.4917, 13.8365



17.5684, 8.9637, 5.0315



1.0982, 0.5561, 0.5065



# Inverse Universe

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



45.2506, 38.4340, 43.5621



64.2517, 51.4771, 58.3297



45.5292, 53.6438, 70.2424



12.6005, 12.4917, 13.8365



17.5684, 8.9637, 5.0315



1.0982, 0.5561, 0.5065



# Previews

## White Background



This preview shows how the XYZ color 45.2495, 38.4322, 43.5613 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

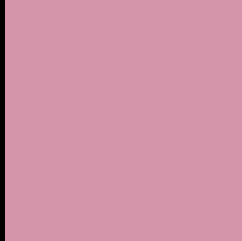
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.2495, 38.4322, 43.5613 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 45.2495, 38.4322, 43.5613**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.2495, 38.4322, 43.5613.



This preview shows how white text looks on a background with the XYZ color 45.2495, 38.4322,



# 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

45.2495, 38.4322, 43.5613

### Protanopia

37.7026, 38.7156, 49.2018

### Deuteranopia

39.3732, 38.6503, 42.9212



## Tritanopia

44.4522, 38.5907, 39.2883

# Trichromacy



## Original Color

45.2495, 38.4322, 43.5613

## Protanomaly

40.0351, 38.3832, 46.8936

## Deuteranomaly

41.3050, 38.3537, 43.2562

## Tritanomaly

44.5618, 38.3782, 40.6564

# Monochromacy



## Original Color

45.2495, 38.4322, 43.5613

## Achromatopsia

38.2080, 40.1978, 43.7754

## Achromatomaly

40.1836, 39.0572, 43.4511

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.2495, 38.4322, 43.5613 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(212, 149, 171)` looks like.

```
.text, #text, p{  
    color:rgb(212, 149, 171)  
}
```

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(212, 149, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 149, 171) }
```

## Border

The CSS property to change the border of an element to XYZ 45.2495, 38.4322, 43.5613 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(212, 149, 171) }
```



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

```
.border{ border-color:rgb(212, 149, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 149, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 149, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 149, 171);  
box-shadow:4px 4px 4px 4px rgb(212, 149,  
171) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.2495, 38.4322, 43.5613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 149, 171) }
```

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

```
.background{ background-color: rgb(212,  
149, 171) }
```

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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