

# Converting Colors

XYZ(45.1437, 36.7716, 43.7480)

Have a look what the booklet for  
XYZ(45.1437, 36.7716, 43.7480)  
contains.

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# Color

**XYZ(45.1437, 36.7716,  
43.7480)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D78EAC
RGB	215, 142, 172
RGB Percent	84%, 56%, 67%
CMY	0.1569, 0.4431, 0.3255
CMYK	0.00, 0.34, 0.20, 0.16
HSL	335°, 48%, 70%
HSV	335°, 34%, 84%
XYZ	45.1437, 36.7716, 43.7480
YIQ	167.2470, 33.8780, 24.8060

# Conversions

## Conversions Part 2

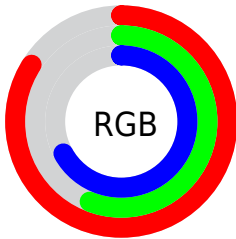
Format	Color
R <sub>Y</sub> B	215, 142, 172
Decimal	14126764
CIE Lab	67.11, 31.90, -4.30
CIE LCh	67, 32.188, 352.331
Yxy	36.7716, 0.3592, 0.2926
Android (android.graphics.Color)	4292316844 (0xFFD78EAC)
YUV	167.2470, 2.3432, 41.8794
Hunter-Lab	60.6396, 26.7667, -0.3266

# Details

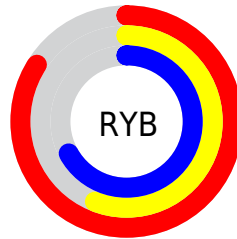
The XYZ color **45.1437, 36.7716, 43.7480** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **44.2143, 57.8554, 54.7385**, and the grayscale version is **36.8292, 38.7472, 42.1957**.

A 20% lighter version of the original color is **74.8451, 66.2859, 81.5227**, and **21.3444, 16.0393, 19.7402** is the 20% darker color. If you saturate the color by 10%, you get **41.0891, 30.5168, 36.6786**, and if you desaturate by 10%, it is **49.9333, 44.3100, 51.6352**.

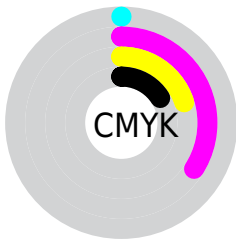
# Distribution



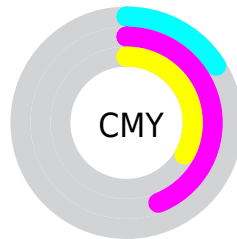
- Red (84%)
- Green (56%)
- Blue (67%)



- Red (84%)
- Yellow (56%)
- Blue (67%)



- Cyan (0%)
- Magenta (34%)
- Yellow (20%)
- Black (16%)




- Cyan (16%)
- Magenta (44%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.1437, 36.7716, 43.7480 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 45.1437, 36.7716, 43.7480 by changing the saturation by 10% instead.





 45.1437, 36.7716,  
43.7480


 45.1437, 36.7716,  
43.7480

358.1291,  
332.3206, 377.6902

 31.7724, 25.0307,  
30.1367


 82.1717, 70.2214,  
82.1368

 21.3424, 16.0999,  
19.6894


 106.5592, 92.6990,  
107.7515

 13.4884, 9.5949,  
11.9877

135.3494,  
119.5244, 138.2043

 7.8450, 5.1312,  
6.6128

168.9077,  
151.0818, 173.9138

 4.0469, 2.3244,  
3.1464

207.5995,  
187.7558, 215.2987

 1.7287, 0.7866,  
1.1699

251.7901,

 0.4741, 0.0000,

229.9307, 262.7773

0.0000

301.8448,  
277.9908, 316.7683

■ 0.0000, 0.0000,  
0.0000

■ 45.1437, 36.7716,  
43.7480

■ 45.1437, 36.7716,  
43.7480

■ 41.0891, 30.5168,  
36.6786

■ 49.9333, 44.3100,  
51.6352

■ 37.7275, 25.4681,  
30.3958

■ 55.4906, 53.1937,  
60.3652

■ 35.0173, 21.5473,  
24.8697

■ 61.8501, 63.4865,  
69.9646

■ 32.9110, 18.6648,  
20.0669

■ 69.0431, 75.2464,  
80.4580

■ 31.3539, 16.7174,  
15.9508

■ 77.0993, 88.5285,  
91.8690

■ 30.2803, 15.5798,  
12.4800

■ 80.7265, 92.7439,  
102.4468

■ 29.8004, 15.1575,  
10.6636

■ 81.8345, 93.1872,  
108.2815

# Harmonies

## Analogous

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



42.9509, 36.7716, 58.8942



45.1437, 36.7716, 43.7480



44.4097, 36.7716, 30.6361

# Triad

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



45.1437, 36.7716, 43.7480



31.4914, 36.7716, 19.9062



29.5032, 36.7716, 65.4189

# Complementary

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



45.1437, 36.7716, 43.7480



44.2143, 57.8554, 54.7385

# 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.



26.9397, 36.7716, 51.1900



45.1437, 36.7716, 43.7480



28.0106, 36.7716, 25.7090

# Square

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



45.1437, 36.7716, 43.7480



36.2228, 36.7716, 18.8085



26.4199, 36.7716, 36.5440



33.7080, 36.7716, 73.1743



# Rectangle

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



45.1437, 36.7716, 43.7480



42.3882, 36.7716, 24.4779



26.4199, 36.7716, 36.5440



28.4377, 36.7716, 61.0955

# Sweetspot

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



45.1448, 36.7733, 43.7487



85.1229, 83.8657, 94.1227



41.8474, 34.5167, 68.7471



17.9424, 17.5027, 19.7244



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.



45.1448, 36.7733, 43.7487



61.8900, 47.0853, 56.5199



43.5111, 37.6078, 30.5590



12.6327, 12.5046, 14.0061



17.8740, 9.0859, 6.6403



1.1187, 0.5643, 0.6143



# Inverse Universe

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



45.1448, 36.7733, 43.7487



61.8900, 47.0853, 56.5199



46.2023, 56.2181, 72.7064



12.6327, 12.5046, 14.0061



17.8740, 9.0859, 6.6403

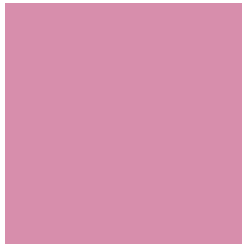


1.1187, 0.5643, 0.6143



# Previews

## White Background



This preview shows how the XYZ color 45.1437, 36.7716, 43.7480 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

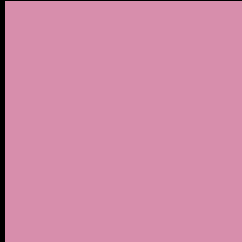
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.1437, 36.7716, 43.7480 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 45.1437, 36.7716, 43.7480**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.1437, 36.7716, 43.7480.



This preview shows how white text looks on a background with the XYZ color 45.1437, 36.7716,



# 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

45.1437, 36.7716, 43.7480

### Protanopia

36.3514, 37.1708, 51.1577

### Deuteranopia

37.6910, 37.0080, 42.6928



## Tritanopia

43.5667, 36.7972, 36.2588

# Trichromacy



## Original Color

45.1437, 36.7716, 43.7480

## Protanomaly

38.7820, 36.4413, 48.1699

## Deuteranomaly

40.1328, 36.7611, 43.0106

## Tritanomaly

44.2264, 36.8513, 38.9644

# Monochromacy



## Original Color

45.1437, 36.7716, 43.7480

## Achromatopsia

36.7301, 38.6429, 42.0822

## Achromatomaly

39.1555, 37.5086, 42.7123

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.1437, 36.7716, 43.7480 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, 142, 172)` looks like.

```
.text, #text, p{  
    color:rgb(215, 142, 172)  
}
```

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, 142, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 142, 172) }
```

## Border

The CSS property to change the border of an element to XYZ 45.1437, 36.7716, 43.7480 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, 142, 172) }
```



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

```
.border{ border-color:rgb(215, 142, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 142, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 142, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 142, 172);  
box-shadow:4px 4px 4px 4px rgb(215, 142,  
172) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.1437, 36.7716, 43.7480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 142, 172) }
```

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

```
.background{ background-color: rgb(215,  
142, 172) }
```

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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