

# Converting Colors

XYZ(43.8357, 28.0805, 42.4805)

Have a look what the booklet for  
XYZ(43.8357, 28.0805, 42.4805)  
contains.

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# Color

**XYZ(43.8124, 28.0605,  
42.6422)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E461AD
RGB	228, 97, 173
RGB Percent	89%, 38%, 68%
CMY	0.1059, 0.6196, 0.3216
CMYK	0.00, 0.57, 0.24, 0.11
HSL	325°, 71%, 64%
HSV	325°, 57%, 89%
XYZ	43.8124, 28.0605, 42.6422
YIQ	144.8330, 53.6800, 51.4080

# Conversions

## Conversions Part 2

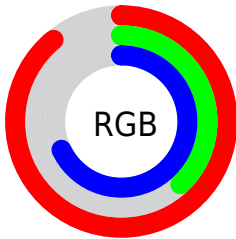
Format	Color
R <sub>Y</sub> B	228, 97, 173
Decimal	14967213
CIE Lab	59.94, 58.90, -15.39
CIE LCh	60, 60.874, 345.356
Yxy	28.0605, 0.3826, 0.2450
Android (android.graphics.Color)	4293157293 (0xFFE461AD)
YUV	144.8330, 13.8863, 72.9375
Hunter-Lab	52.9722, 54.9331, -10.6475

# Details

The XYZ color **43.8124, 28.0605, 42.6422** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **38.3421, 60.2960, 39.3262**, and the grayscale version is **26.7772, 28.1717, 30.6790**.

A 20% lighter version of the original color is **66.6348, 49.6439, 79.4690**, and **20.5065, 11.2017, 19.1705** is the 20% darker color. If you saturate the color by 10%, you get **41.1069, 24.0790, 37.3327**, and if you desaturate by 10%, it is **47.1912, 33.2818, 48.5042**.

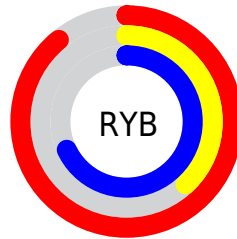
# Distribution



Red (89%)

Green (38%)

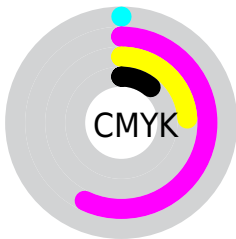
Blue (68%)



Red (89%)

Yellow (38%)

Blue (68%)

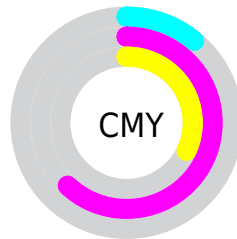


Cyan (0%)

Magenta (57%)

Yellow (24%)

Black (11%)



Cyan (11%)

Magenta (62%)


Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.8124, 28.0605, 42.6422 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 43.8124, 28.0605, 42.6422 by changing the saturation by 10% instead.





 43.8124, 28.0605,  
42.6422


 43.8124, 28.0605,  
42.6422

352.8073,  
292.7559, 373.0161

 30.7203, 18.3713,  
29.2752


 80.1835, 56.5810,  
80.4512


 20.5368, 11.2169,  
19.0417


 104.1932, 76.1811,  
105.7302

 12.8963, 6.2129,  
11.5233


 132.5728, 99.8536,  
135.8170

 7.4337, 2.9750,  
6.3014

 165.6877,  
127.9829, 171.1301

 3.7835, 1.1187,  
2.9575

203.9033,  
160.9533, 212.0880

 1.5804, 0.0000,  
1.0730

247.5848,

 0.3796, 0.0000,

199.1494, 259.1093

0.0000

297.0977,  
242.9555, 312.6125

■ 0.0000, 0.0000,  
0.0000

■ 43.8124, 28.0605,  
42.6422

■ 43.8124, 28.0605,  
42.6422

■ 41.1069, 24.0790,  
37.3327

■ 47.1912, 33.2818,  
48.5042

■ 39.0173, 21.2257,  
32.5489

■ 51.2893, 39.8335,  
54.9397

■ 37.4804, 19.3759,  
28.2630

■ 56.1512, 47.8025,  
61.9705

■ 36.4107, 18.3612,  
24.4393

■ 61.8171, 57.2670,  
69.6160

■ 36.1784, 18.1674,  
23.5268

■ 68.3243, 68.2995,  
77.8948

75.7076, 80.9679,  
86.8243

83.4849, 94.3060,  
96.2498

84.9452, 94.8901,  
103.9398

85.8050, 95.2340,  
108.4673

# Harmonies

## Analogous

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



38.7198, 28.0605, 71.3459



43.8124, 28.0605, 42.6422



43.7458, 28.0605, 20.6006

# Triad

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



43.8124, 28.0605, 42.6422



22.9212, 28.0605, 5.1301



17.5217, 28.0605, 72.0071

# Complementary

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



43.8124, 28.0605, 42.6422



38.3421, 60.2960, 39.3262

# 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.



14.7416, 28.0605, 43.2844



43.8124, 28.0605, 42.6422



17.4230, 28.0605, 9.3259

# Square

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



43.8124, 28.0605, 42.6422



30.6120, 28.0605, 5.0885



14.7094, 28.0605, 20.9965



23.0830, 28.0605, 93.1089



# Rectangle

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



43.8124, 28.0605, 42.6422



40.7396, 28.0605, 11.9333



14.7094, 28.0605, 20.9965



16.2829, 28.0605, 62.4406

# Sweetspot

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



43.8132, 28.0619, 42.6427



79.9527, 74.2748, 90.0892



31.1508, 20.7879, 75.7696



16.7772, 15.3328, 18.8413



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.



43.8132, 28.0619, 42.6427



52.3928, 30.2005, 46.8508



38.9731, 26.1258, 17.1546



14.7258, 14.5075, 16.7565



20.9511, 10.5147, 13.9034



1.5943, 0.7954, 1.2703



# Inverse Universe

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



43.8132, 28.0619, 42.6427



52.3928, 30.2005, 46.8508



45.2094, 63.0429, 75.4888



14.7258, 14.5075, 16.7565



20.9511, 10.5147, 13.9034



1.5943, 0.7954, 1.2703



# Previews

## White Background



This preview shows how the XYZ color 43.8124, 28.0605, 42.6422 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

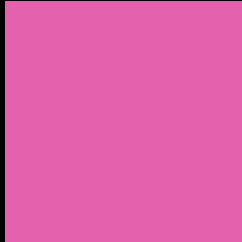
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 43.8124, 28.0605, 42.6422 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

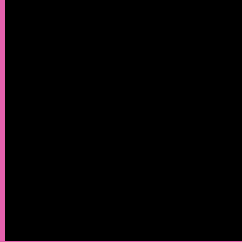
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 43.8124, 28.0605, 42.6422**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.8124, 28.0605, 42.6422.



This preview shows how white text looks on a background with the XYZ color 43.8124, 28.0605,



# 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

43.8124, 28.0605, 42.6422

### Protanopia

29.4205, 28.4611, 62.3354

### Deuteranopia

28.8022, 28.1925, 40.0000



## Tritanopia

39.2182, 28.1242, 20.1911

# Trichromacy



## Original Color

43.8124, 28.0605, 42.6422



## Protanomaly

32.0988, 26.4981, 54.4618



## Deuteranomaly

32.8551, 26.9968, 41.0154



## Tritanomaly

40.6183, 27.9168, 26.9146

# Monochromacy



## Original Color

43.8124, 28.0605, 42.6422



## Achromatopsia

26.9133, 28.3149, 30.8349



## Achromatomaly

31.3148, 26.9189, 34.5557

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.8124, 28.0605, 42.6422 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(228, 97, 173)` looks like.

```
.text, #text, p{  
    color:rgb(228, 97, 173)  
}
```

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(228, 97, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 97, 173) }
```

## Border

The CSS property to change the border of an element to XYZ 43.8124, 28.0605, 42.6422 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(228, 97, 173) }
```



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

```
.border{ border-color:rgb(228, 97, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 97, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 97, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 97, 173);  
box-shadow:4px 4px 4px 4px rgb(228, 97,  
173) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.8124, 28.0605, 42.6422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 97, 173) }
```

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

```
.background{ background-color: rgb(228, 97,  
173) }
```

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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