

# Converting Colors

XYZ(45.1670, 28.2100, 23.7180)

Have a look what the booklet for  
XYZ(45.1670, 28.2100, 23.7180)  
contains.

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# Color

**XYZ(45.2748, 28.3098,  
23.8470)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F55A81
RGB	245, 90, 129
RGB Percent	96%, 35%, 51%
CMY	0.0392, 0.6470, 0.4941
CMYK	0.00, 0.63, 0.47, 0.04
HSL	345°, 89%, 66%
HSV	345°, 63%, 96%
XYZ	45.2748, 28.3098, 23.8470
YIQ	140.7910, 79.8610, 44.9890

# Conversions

## Conversions Part 2

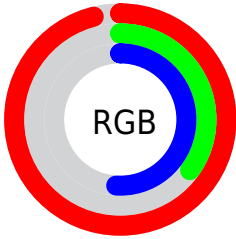
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	245, 90, 129
Decimal	16079489
CIE Lab	60.17, 62.18, 10.77
CIE LCh	60, 63.106, 9.824
Yxy	28.3098, 0.4647, 0.2906
Android (android.graphics.Color)	4294269569 (0xFFFF55A81)
YUV	140.7910, -5.8130, 91.3913
Hunter-Lab	53.2070, 58.7768, 10.6715

# Details

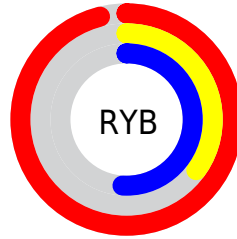
The XYZ color **45.2748, 28.3098, 23.8470** is a light color, and the websafe version is hex **FF6699**. The color can be described as light muted rose. A complement of this color would be **48.0113, 71.9354, 69.7524**, and the grayscale version is **25.2371, 26.5514, 28.9144**.

A 20% lighter version of the original color is **60.1172, 45.5048, 49.8708**, and **21.3030, 11.2997, 8.6477** is the 20% darker color. If you saturate the color by 10%, you get **42.4265, 24.3921, 17.4142**, and if you desaturate by 10%, it is **49.0240, 33.6795, 31.6596**.

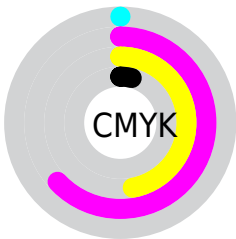
# Distribution



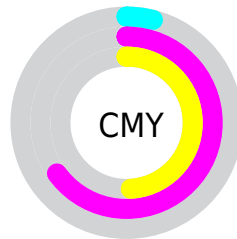
- Red (96%)
- Green (35%)
- Blue (51%)



- Red (96%)
- Yellow (35%)
- Blue (51%)



- Cyan (0%)
- Magenta (63%)
- Yellow (47%)
- Black (4%)




- Cyan (4%)
- Magenta (65%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.2748, 28.3098, 23.8470 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 45.2748, 28.3098, 23.8470 by changing the saturation by 10% instead.





 45.2748, 28.3098,  
23.8470


 45.2748, 28.3098,  
23.8470

358.6504,  
293.9443, 285.3077


 31.8761, 18.5593,  
15.0090


 82.3672, 56.9787,  
50.7211


 21.4220, 11.3523,  
8.6790


 106.7915, 76.6659,  
69.5943

 13.5470, 6.3043,  
4.4385


 135.6219,  
100.4341, 92.6497

 7.8859, 3.0310,  
1.8688

 169.2236,  
128.6677, 120.3057

 4.0732, 1.1479,  
0.4728

207.9619,  
161.7511, 152.9810

 1.7436, 0.0186,  
0.0000

252.2022,

 0.4833, 0.0000,

200.0688, 191.0941

0.0000

302.3099,  
244.0051, 235.0634

■ 0.0000, 0.0000,  
0.0000

■ 45.2748, 28.3098,  
23.8470

■ 45.2748, 28.3098,  
23.8470

■ 42.4265, 24.3921,  
17.4142

■ 49.0240, 33.6795,  
31.6596

■ 40.3955, 21.7774,  
12.2749

■ 53.7431, 40.6216,  
40.9278


■ 39.0847, 20.2926,  
8.3339


■ 59.4967, 49.2492,  
51.7232

■ 38.5156, 19.7562,  
6.2884

■ 66.3431, 59.6636,  
64.1121

■ 74.3360, 71.9580,  
78.1567

 83.5258, 86.2193,  
93.9161

 91.4661, 98.1524,  
108.7323

# Harmonies

## Analogous

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



44.2575, 28.3098, 48.8315



45.2748, 28.3098, 23.8470



40.6700, 28.3098, 10.2253

# Triad

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



45.2748, 28.3098, 23.8470



18.1435, 28.3098, 7.7421



21.9030, 28.3098, 94.1778

# Complementary

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



45.2748, 28.3098, 23.8470



48.0113, 71.9354, 69.7524

# 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.



16.6636, 28.3098, 68.9409



45.2748, 28.3098, 23.8470



14.8131, 28.3098, 17.8980

# Square

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



45.2748, 28.3098, 23.8470



24.3460, 28.3098, 4.4989



14.3317, 28.3098, 39.0455



29.6429, 28.3098, 98.6148



# Rectangle

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



45.2748, 28.3098, 23.8470



35.4847, 28.3098, 6.1578



14.3317, 28.3098, 39.0455



19.8376, 28.3098, 87.4088

# Sweetspot

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



45.2755, 28.3114, 23.8475



76.1957, 70.7686, 76.4814



44.9495, 26.6971, 89.1699



15.7894, 14.3500, 15.4516



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.



45.2755, 28.3114, 23.8475



45.7314, 25.7437, 17.2976



46.9850, 35.1170, 13.9769



16.6701, 16.5509, 18.0095



20.7958, 10.6618, 3.6333



1.8674, 0.9529, 0.5283



# Inverse Universe

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



45.2755, 28.3114, 23.8475



45.7314, 25.7437, 17.2976



43.4588, 54.2868, 94.5738



16.6701, 16.5509, 18.0095



20.7958, 10.6618, 3.6333



1.8674, 0.9529, 0.5283



# Previews

## White Background



This preview shows how the XYZ color 45.2748, 28.3098, 23.8470 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

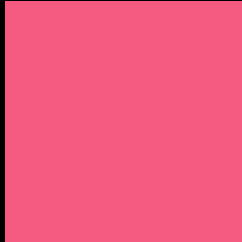
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 45.2748, 28.3098, 23.8470 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

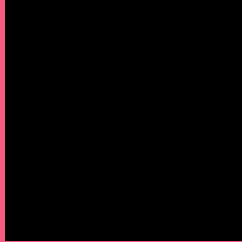
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 45.2748, 28.3098, 23.8470**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.2748, 28.3098, 23.8470.



This preview shows how white text looks on a background with the XYZ color 45.2748, 28.3098,

23.8470.

# 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

45.2748, 28.3098, 23.8470

### Protanopia

27.7329, 28.3790, 36.8169

### Deuteranopia

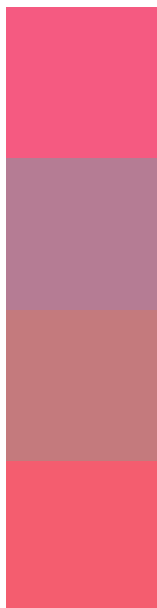
29.0394, 28.4861, 22.3802



## Tritanopia

43.4033, 28.1787, 15.4633

# Trichromacy



## Original Color

45.2748, 28.3098, 23.8470

## Protanomaly

31.6090, 26.3772, 31.4423

## Deuteranomaly

33.4262, 27.1355, 22.8780

## Tritanomaly

44.0918, 28.2095, 18.1600

# Monochromacy



## Original Color

45.2748, 28.3098, 23.8470

## Achromatopsia

25.3171, 26.6356, 29.0061

## Achromatomaly

30.0653, 25.3089, 26.9674

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.2748, 28.3098, 23.8470 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(245, 90, 129)` looks like.

```
.text, #text, p{  
  color:rgb(245, 90, 129)  
}
```

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(245, 90, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 90, 129) }
```

## Border

The CSS property to change the border of an element to XYZ 45.2748, 28.3098, 23.8470 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(245, 90, 129) }
```



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

```
.border{ border-color:rgb(245, 90, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 90, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 90, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 90, 129);  
box-shadow:4px 4px 4px 4px rgb(245, 90,  
129) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.2748, 28.3098, 23.8470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 90, 129) }
```

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

```
.background{ background-color: rgb(245, 90,  
129) }
```

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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