

# Converting Colors

XYZ(45.3425, 28.8495, 27.2548)

Have a look what the booklet for  
XYZ(45.3425, 28.8495, 27.2548)  
contains.

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# Color

**XYZ(45.2081, 28.7176,  
27.2051)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F25E8A
RGB	242, 94, 138
RGB Percent	95%, 37%, 54%
CMY	0.0510, 0.6313, 0.4588
CMYK	0.00, 0.61, 0.43, 0.05
HSL	342°, 85%, 66%
HSV	342°, 61%, 95%
XYZ	45.2081, 28.7176, 27.2051
YIQ	143.2680, 74.0840, 45.0600

# Conversions

## Conversions Part 2

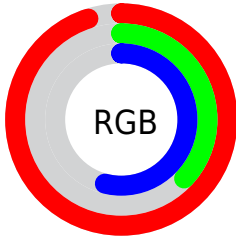
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	242, 94, 138
Decimal	15883914
CIE <sub>Lab</sub>	60.53, 60.42, 5.98
CIE <sub>LCh</sub>	61, 60.716, 5.655
Yxy	28.7176, 0.4470, 0.2840
Android (android.graphics.Color)	4294073994 (0xFFFF25E8A)
YUV	143.2680, -2.5971, 86.5880
Hunter-Lab	53.5888, 56.8041, 7.4128

# Details

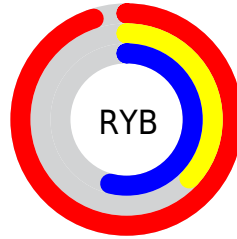
The XYZ color **45.2081, 28.7176, 27.2051** is a light color, and the websafe version is hex **FF6699**. The color can be described as light muted rose. A complement of this color would be **46.5630, 69.9619, 64.4806**, and the grayscale version is **26.2060, 27.5707, 30.0245**.

A 20% lighter version of the original color is **61.7106, 47.1548, 55.1395**, and **21.3340, 11.5614, 10.3397** is the 20% darker color. If you saturate the color by 10%, you get **42.2470, 24.6140, 20.6117**, and if you desaturate by 10%, it is **49.0379, 34.2500, 35.0397**.

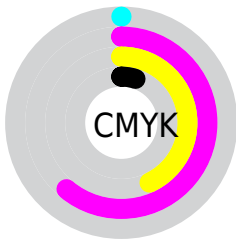
# Distribution



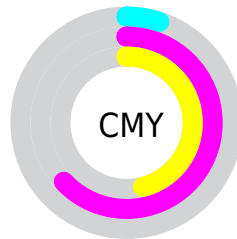
- Red (95%)
- Green (37%)
- Blue (54%)



- Red (95%)
- Yellow (37%)
- Blue (54%)



- Cyan (0%)
- Magenta (61%)
- Yellow (43%)
- Black (5%)




- Cyan (5%)
- Magenta (63%)
- Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.2081, 28.7176, 27.2051 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 45.2081, 28.7176, 27.2051 by changing the saturation by 10% instead.





 45.2081, 28.7176,  
27.2051


 45.2081, 28.7176,  
27.2051


358.3852,  
295.8802, 302.4403


 31.8233, 18.8673,  
17.4935


 82.2677, 57.6281,  
56.2205

 21.3815, 11.5744,  
10.4213


 106.6733, 77.4571,  
76.3615

 13.5172, 6.4546,  
5.5699


 135.4833,  
101.3811, 100.8160

 7.8651, 3.1234,  
2.5209

 169.0629,  
129.7845, 130.0025

 4.0598, 1.1965,  
0.8512

207.7775,  
163.0517, 164.3397

 1.7360, 0.0588,  
0.0000

251.9926,

 0.4787, 0.0000,

201.5672, 204.2460

0.0000

302.0734,  
245.7152, 250.1401

■ 0.0000, 0.0000,  
0.0000

■ 45.2081, 28.7176,  
27.2051

■ 45.2081, 28.7176,  
27.2051

■ 42.2470, 24.6140,  
20.6117

■ 49.0379, 34.2500,  
35.0397

■ 40.0778, 21.8000,  
15.1890

■ 53.7995, 41.3241,  
44.1772

■ 38.6132, 20.1165,  
10.8607

■ 59.5524, 50.0464,  
54.6764

■ 37.7856, 19.3443,  
7.8625

■ 66.3507, 60.5128,  
66.5920

■ 74.2441, 72.8118,  
79.9756

■ 83.2793, 87.0259,  
94.8762

■ 90.4279, 97.6172,  
108.6837

# Harmonies

## Analogous

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



43.4579, 28.7176, 52.6502



45.2081, 28.7176, 27.2051



41.4641, 28.7176, 12.2533

# Triad

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



45.2081, 28.7176, 27.2051



19.4188, 28.7176, 7.6750



21.5418, 28.7176, 89.3841

# Complementary

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



45.2081, 28.7176, 27.2051



46.5630, 69.9619, 64.4806

# 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.



16.7892, 28.7176, 63.7807



45.2081, 28.7176, 27.2051



15.7378, 28.7176, 16.6370

# Square

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



45.2081, 28.7176, 27.2051



25.8368, 28.7176, 4.9814



14.8764, 28.7176, 35.7178



28.8075, 28.7176, 96.8924



# Rectangle

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



45.2081, 28.7176, 27.2051



36.7116, 28.7176, 7.4552



14.8764, 28.7176, 35.7178



19.6447, 28.7176, 82.1612

# Sweetspot

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



45.2089, 28.7191, 27.2056



77.3498, 72.2239, 79.4953



43.2145, 26.3695, 86.8165



16.0272, 14.6379, 16.1090



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.



45.2089, 28.7191, 27.2056



47.0087, 26.9577, 21.8560



45.7971, 34.0025, 14.7410



15.9661, 15.8362, 17.3779



20.3510, 10.4128, 4.4988



1.7351, 0.8831, 0.5961



# Inverse Universe

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



45.2089, 28.7191, 27.2056



47.0087, 26.9577, 21.8560



44.2880, 56.0789, 92.4944



15.9661, 15.8362, 17.3779



20.3510, 10.4128, 4.4988



1.7351, 0.8831, 0.5961



# Previews

## White Background



This preview shows how the XYZ color 45.2081, 28.7176, 27.2051 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 45.2081, 28.7176, 27.2051 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 45.2081, 28.7176, 27.2051

## Background



This preview shows how black text looks on a background with the XYZ color 45.2081, 28.7176, 27.2051.



This preview shows how white text looks on a background with the XYZ color 45.2081, 28.7176,



# 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

45.2081, 28.7176, 27.2051

### Protanopia

28.5210, 28.9176, 41.1242

### Deuteranopia

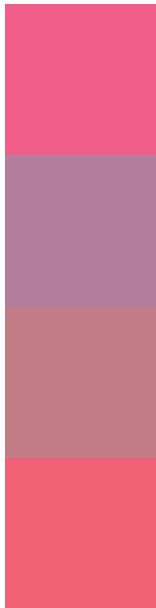
29.3475, 28.7954, 25.4840



## Tritanopia

43.1462, 28.7011, 17.1757

# Trichromacy



## Original Color

45.2081, 28.7176, 27.2051

## Protanomaly

32.1371, 26.9397, 35.4044

## Deuteranomaly

33.7589, 27.6059, 26.1034

## Tritanomaly

43.9133, 28.7441, 20.3732

# Monochromacy



## Original Color

45.2081, 28.7176, 27.2051

## Achromatopsia

26.1081, 27.4677, 29.9124

## Achromatomaly

30.7317, 26.1740, 28.6317

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.2081, 28.7176, 27.2051 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(242, 94, 138)` looks like.

```
.text, #text, p{  
    color:rgb(242, 94, 138)  
}
```

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(242, 94, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 94, 138) }
```

## Border

The CSS property to change the border of an element to XYZ 45.2081, 28.7176, 27.2051 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(242, 94, 138) }
```



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

```
.border{ border-color:rgb(242, 94, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 94, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 94, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 94, 138);  
box-shadow:4px 4px 4px 4px rgb(242, 94,  
138) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.2081, 28.7176, 27.2051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 94, 138) }
```

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

```
.background{ background-color: rgb(242, 94,  
138) }
```

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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