

Converting Colors

XYZ(45.3657, 25.7828, 42.7566)

Have a look what the booklet for
XYZ(45.3657, 25.7828, 42.7566)
contains.

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Color

**XYZ(45.4267, 25.7870,
42.6275)**

Conversions

Conversions Part 1

Format	Color
Hex	EF46AE
RGB	239, 70, 174
RGB Percent	94%, 27%, 68%
CMY	0.0627, 0.7255, 0.3176
CMYK	0.00, 0.71, 0.27, 0.06
HSL	323°, 84%, 61%
HSV	323°, 71%, 94%
XYZ	45.4267, 25.7870, 42.6275
YIQ	132.3870, 67.3400, 68.1720

Conversions

Conversions Part 2

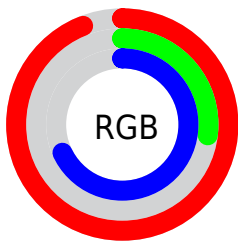
Format	Color
R_{YB}	239, 70, 174
Decimal	15681198
CIE _{Lab}	57.83, 72.67, -19.01
CIE _{LCh}	58, 75.119, 345.342
Yxy	25.7870, 0.3990, 0.2265
Android (android.graphics.Color)	4293871278 (0xFFEF46AE)
YUV	132.3870, 20.5152, 93.4996
Hunter-Lab	50.7809, 70.8129, -14.2237

Details

The XYZ color **45.4267, 25.7870, 42.6275** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted rose. A complement of this color would be **37.7670, 64.7852, 33.4396**, and the grayscale version is **21.9845, 23.1294, 25.1880**.

A 20% lighter version of the original color is **63.6392, 43.2058, 79.8483**, and **22.0416, 10.9642, 19.0437** is the 20% darker color. If you saturate the color by 10%, you get **43.3520, 23.0230, 37.6645**, and if you desaturate by 10%, it is **48.1588, 29.7671, 48.1127**.

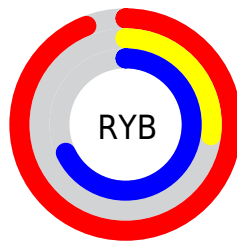
Distribution



Red (94%)

Green (27%)

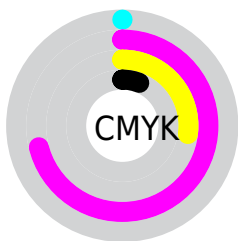
Blue (68%)



Red (94%)

Yellow (27%)

Blue (68%)

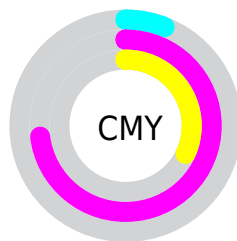


Cyan (0%)

Magenta (71%)

Yellow (27%)

Black (6%)



Cyan (6%)

Magenta (73%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.4267, 25.7870, 42.6275 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 45.4267, 25.7870, 42.6275 by changing the saturation by 10% instead.

45.4267, 25.7870,
42.6275

45.4267, 25.7870,
42.6275

359.2537,
281.7349, 372.9537

31.9964, 16.6644,
29.2637

82.5935, 52.9311,
80.4288

21.5143, 9.9955,
19.0331

107.0606, 71.7214,
105.7033

13.6150, 5.3960,
11.5172

135.9374, 94.5030,
135.7852

7.9333, 2.4814,
6.2973

169.5892,
121.6604, 171.0930

4.1037, 0.8673,
2.9550

208.3814,
153.5778, 212.0452

1.7610, 0.0000,
1.0717

252.6793,

0.4940, 0.0000,

190.6398, 259.0604

0.0000

302.8483,
233.2307, 312.5570

■ 0.0000, 0.0000,
0.0000

■ 45.4267, 25.7870,
42.6275

■ 45.4267, 25.7870,
42.6275

■ 43.3520, 23.0230,
37.6645

■ 48.1588, 29.7671,
48.1127

■ 41.8558, 21.3199,
33.1908


■ 51.6101, 35.0859,
54.1458


■ 40.8688, 20.4596,
29.4285


■ 55.8375, 41.8550,
60.7519


■ 60.8914, 50.1734,
67.9532

■ 66.8178, 60.1313,
75.7703

 73.6591, 71.8118,
84.2228

 81.4549, 85.2926,
93.3289

 88.2291, 96.6197,
102.4350

 89.4067, 97.0908,
108.6359

Harmonies

Analogous

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



39.0438, 25.7870, 79.5083



45.4267, 25.7870, 42.6275



45.3459, 25.7870, 16.8731

Triad

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



45.4267, 25.7870, 42.6275



20.1987, 25.7870, 2.2469



14.2228, 25.7870, 80.3504

Complementary

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



45.4267, 25.7870, 42.6275



37.7670, 64.7852, 33.4396

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.



11.2933, 25.7870, 43.3885



45.4267, 25.7870, 42.6275



14.1212, 25.7870, 5.6280

Square

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



45.4267, 25.7870, 42.6275



29.1692, 25.7870, 2.2186



11.2614, 25.7870, 17.2843



20.3750, 25.7870, 108.8420

Rectangle

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



45.4267, 25.7870, 42.6275



41.5679, 25.7870, 8.0231



11.2614, 25.7870, 17.2843



12.9034, 25.7870, 67.7608

Sweetspot

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



45.4275, 25.7883, 42.6280



77.1409, 69.2071, 87.4381



27.7287, 15.7470, 83.2396



16.0841, 14.0913, 18.1642



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.



45.4275, 25.7883, 42.6280



49.3520, 25.6266, 41.1890



39.6213, 23.4659, 12.0528



16.1816, 15.9224, 18.5127



22.6510, 11.3328, 16.6107



1.9328, 0.9622, 1.6370

Inverse Universe

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



45.4275, 25.7883, 42.6280



49.3520, 25.6266, 41.1890



46.2168, 68.1651, 77.9358



16.1816, 15.9224, 18.5127



22.6510, 11.3328, 16.6107



1.9328, 0.9622, 1.6370

Previews

White Background



This preview shows how the XYZ color 45.4267, 25.7870, 42.6275 looks on a white background.

Color Contrast Check

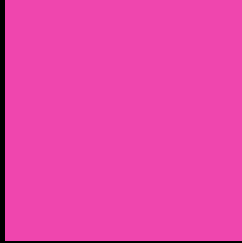
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.4267, 25.7870, 42.6275 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 45.4267, 25.7870, 42.6275

Background



This preview shows how black text looks on a background with the XYZ color 45.4267, 25.7870, 42.6275.



This preview shows how white text looks on a background with the XYZ color 45.4267, 25.7870,

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

45.4267, 25.7870, 42.6275

Protanopia

28.2088, 26.2832, 73.3984

Deuteranopia

26.4109, 25.9004, 39.2046



Tritanopia

39.5891, 25.8410, 14.2105

Trichromacy



Original Color

45.4267, 25.7870, 42.6275



Protanomaly

30.2510, 23.0881, 60.6196



Deuteranomaly

30.7665, 23.6456, 39.9883



Tritanomaly

41.1329, 25.4835, 22.1529

Monochromacy



Original Color

45.4267, 25.7870, 42.6275



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

27.5297, 21.7018, 30.3417

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4267, 25.7870, 42.6275 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(239, 70, 174)` looks like.

```
.text, #text, p{  
    color:rgb(239, 70, 174)  
}
```

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(239, 70, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 70, 174) }
```

Border

The CSS property to change the border of an element to XYZ 45.4267, 25.7870, 42.6275 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(239, 70, 174) }
```


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

```
.border{ border-color:rgb(239, 70, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 70, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 70, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 70, 174);  
box-shadow:4px 4px 4px 4px rgb(239, 70,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4267, 25.7870, 42.6275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 70, 174) }
```

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

```
.background{ background-color: rgb(239, 70,  
174) }
```

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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