

Converting Colors

XYZ(45.9708, 27.9415, 41.1586)

Have a look what the booklet for
XYZ(45.9708, 27.9415, 41.1586)
contains.

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Color

**XYZ(45.9238, 27.8958,
40.9942)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | EE57AA |
| RGB | 238, 87, 170 |
| RGB Percent | 93%, 34%, 67% |
| CMY | 0.0667, 0.6588, 0.3333 |
| CMYK | 0.00, 0.63, 0.29, 0.07 |
| HSL | 327°, 82%, 64% |
| HSV | 327°, 63%, 93% |
| XYZ | 45.9238, 27.8958, 40.9942 |
| YIQ | 141.6110, 63.3530, 57.8250 |

Conversions

Conversions Part 2

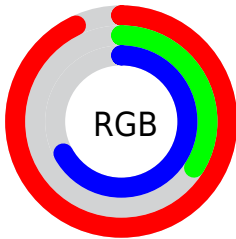
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 238, 87, 170 |
| Decimal | 15620010 |
| CIE Lab | 59.79, 65.65, -13.74 |
| CIE LCh | 60, 67.068, 348.181 |
| Yxy | 27.8958, 0.4000, 0.2430 |
| Android (android.graphics.Color) | 4293810090 (0xFFEE57AA) |
| YUV | 141.6110, 13.9958, 84.5332 |
| Hunter-Lab | 52.8165, 62.7765, -9.0472 |

Details

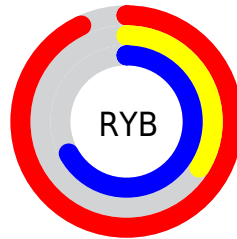
The XYZ color **45.9238, 27.8958, 40.9942** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted rose. A complement of this color would be **40.4230, 65.5427, 41.5344**, and the grayscale version is **25.4880, 26.8153, 29.2019**.

A 20% lighter version of the original color is **64.9560, 46.9470, 76.8723**, and **21.8009, 11.1146, 18.1358** is the 20% darker color. If you saturate the color by 10%, you get **43.3316, 24.2683, 35.3298**, and if you desaturate by 10%, it is **49.2352, 32.8290, 47.3067**.

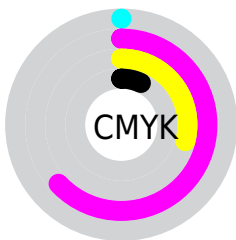
Distribution



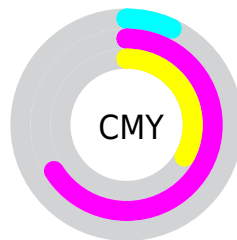
- Red (93%)
- Green (34%)
- Blue (67%)



- Red (93%)
- Yellow (34%)
- Blue (67%)



- Cyan (0%)
- Magenta (63%)
- Yellow (29%)
- Black (7%)




- Cyan (7%)
- Magenta (66%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.9238, 27.8958, 40.9942 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 45.9238, 27.8958, 40.9942 by changing the saturation by 10% instead.


 45.9238, 27.8958,
40.9942


 45.9238, 27.8958,
40.9942


361.2233,
291.9687, 365.9723


 32.3901, 18.2471,
27.9949


 83.3335, 56.3180,
77.9287


 21.8166, 11.1276,
18.0828


 107.9402, 75.8604,
102.7009

 13.8380, 6.1527,
10.8394


 136.9686, 99.4694,
132.2345

 8.0891, 2.9382,
5.8461

 170.7840,
127.5295, 166.9481

 4.2043, 1.0995,
2.6845

209.7518,
160.4251, 207.2601

 1.8183, 0.0000,
0.9356

254.2374,

 0.5287, 0.0000,

198.5406, 253.5891

0.0000

304.6061,
242.2603, 306.3536

■ 0.0000, 0.0000,
0.0000

■ 45.9238, 27.8958,
40.9942

■ 45.9238, 27.8958,
40.9942

■ 43.3316, 24.2683,
35.3298

■ 49.2352, 32.8290,
47.3067

■ 41.3890, 21.8112,
30.2800

■ 53.3216, 39.1769,
54.2945


■ 40.0158, 20.3668,
25.8082

■ 58.2358, 47.0421,
61.9846


■ 39.3443, 19.8109,
23.1576

■ 64.0250, 56.5163,
70.4014

■ 70.7327, 67.6836,
79.5680

 78.3996, 80.6227,
89.5061

 87.0637, 95.4070,
100.2365

 89.0700, 96.9172,
108.6201

Harmonies

Analogous

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



40.6404, 27.8958, 73.4437



45.9238, 27.8958, 40.9942



45.2506, 27.8958, 17.9938

Triad

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



45.9238, 27.8958, 40.9942



21.7384, 27.8958, 4.0863



17.0486, 27.8958, 80.2562

Complementary

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



45.9238, 27.8958, 40.9942



40.4230, 65.5427, 41.5344

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.



13.8293, 27.8958, 47.4272



45.9238, 27.8958, 40.9942



16.1116, 27.8958, 8.6451

Square

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



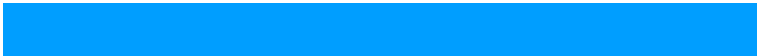
45.9238, 27.8958, 40.9942



30.0012, 27.8958, 3.7436



13.5276, 27.8958, 21.7670



23.3083, 27.8958, 102.9925

Rectangle

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



45.9238, 27.8958, 40.9942



41.5325, 27.8958, 9.6669



13.5276, 27.8958, 21.7670



15.6383, 27.8958, 69.4229

Sweetspot

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



45.9246, 27.8972, 40.9947



78.1777, 71.5614, 86.9183



32.3504, 19.9549, 83.0358



16.2651, 14.5403, 17.9566



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.



45.9246, 27.8972, 40.9947



49.9614, 27.4357, 39.5723



40.7144, 25.8131, 13.5580



16.1364, 15.9043, 18.2743



22.0163, 11.0789, 13.2682



1.8816, 0.9417, 1.3676

Inverse Universe

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



45.9246, 27.8972, 40.9947



49.9614, 27.4357, 39.5723



48.8522, 68.9144, 85.9222



16.1364, 15.9043, 18.2743



22.0163, 11.0789, 13.2682



1.8816, 0.9417, 1.3676

Previews

White Background



This preview shows how the XYZ color 45.9238, 27.8958, 40.9942 looks on a white background.

Color Contrast Check

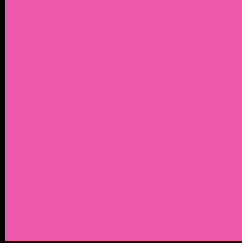
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.9238, 27.8958, 40.9942 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 45.9238, 27.8958, 40.9942

Background



This preview shows how black text looks on a background with the XYZ color 45.9238, 27.8958, 40.9942.



This preview shows how white text looks on a background with the XYZ color 45.9238, 27.8958,

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

45.9238, 27.8958, 40.9942

Protanopia

29.3500, 28.1604, 64.2102

Deuteranopia

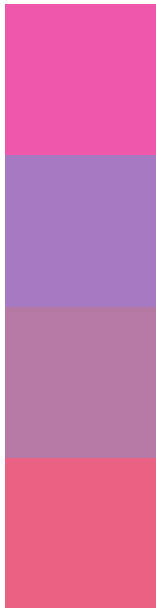
28.6241, 28.1424, 38.1058



Tritanopia

41.1160, 27.9305, 17.6921

Trichromacy



Original Color

45.9238, 27.8958, 40.9942

Protanomaly

32.3269, 25.8585, 54.9171

Deuteranomaly

32.9203, 26.3364, 38.9457

Tritanomaly

42.6324, 27.8502, 24.6014

Monochromacy



Original Color

45.9238, 27.8958, 40.9942

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

30.7585, 25.5332, 33.0130

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9238, 27.8958, 40.9942 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(238, 87, 170)` looks like.

```
.text, #text, p{  
    color:rgb(238, 87, 170)  
}
```

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(238, 87, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 87, 170) }
```

Border

The CSS property to change the border of an element to XYZ 45.9238, 27.8958, 40.9942 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(238, 87, 170) }
```


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

```
.border{ border-color:rgb(238, 87, 170) }
```

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

Here you see how a box with a 4 pixel rgb(238, 87, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 87, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 87, 170);  
box-shadow:4px 4px 4px 4px rgb(238, 87,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9238, 27.8958, 40.9942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 87, 170) }
```

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

```
.background{ background-color: rgb(238, 87,  
170) }
```

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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