

Converting Colors

XYZ(45.2074, 25.2877, 58.7223)

Have a look what the booklet for
XYZ(45.2074, 25.2877, 58.7223)
contains.

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Color

**XYZ(45.2827, 25.3501,
59.0063)**

Conversions

Conversions Part 1

Format	Color
Hex	E546CB
RGB	229, 70, 203
RGB Percent	90%, 27%, 80%
CMY	0.1020, 0.7255, 0.2039
CMYK	0.00, 0.69, 0.11, 0.10
HSL	310°, 75%, 59%
HSV	310°, 69%, 90%
XYZ	45.2827, 25.3501, 59.0063
YIQ	132.7030, 52.0710, 75.0710

Conversions

Conversions Part 2

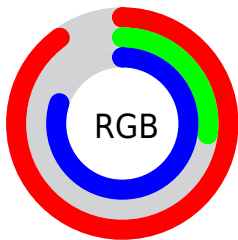
Format	Color
R _{YB}	229, 70, 203
Decimal	15025867
CIE _{Lab}	57.41, 74.07, -36.48
CIE _{LCh}	57, 82.565, 333.778
Yxy	25.3501, 0.3493, 0.1955
Android (android.graphics.Color)	4293215947 (0xFFE546CB)
YUV	132.7030, 34.6564, 84.4525
Hunter-Lab	50.3489, 72.4285, -34.2406

Details

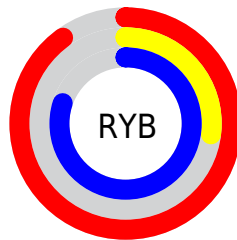
The XYZ color **45.2827, 25.3501, 59.0063** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light muted magenta. A complement of this color would be **32.6576, 58.1862, 20.5783**, and the grayscale version is **22.0529, 23.2013, 25.2663**.

A 20% lighter version of the original color is **67.2726, 44.4453, 99.6409**, and **21.9229, 10.6842, 28.9238** is the 20% darker color. If you saturate the color by 10%, you get **43.6727, 22.8353, 56.2944**, and if you desaturate by 10%, it is **47.4510, 28.9633, 61.9579**.

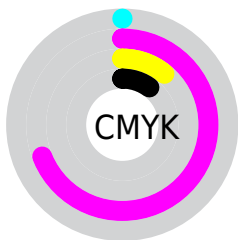
Distribution



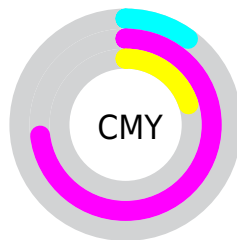
- Red (90%)
- Green (27%)
- Blue (80%)



- Red (90%)
- Yellow (27%)
- Blue (80%)



- Cyan (0%)
- Magenta (69%)
- Yellow (11%)
- Black (10%)





- Cyan (10%)
- Magenta (73%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.2827, 25.3501, 59.0063 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 45.2827, 25.3501, 59.0063 by changing the saturation by 10% instead.


 45.2827, 25.3501,
59.0063

 45.2827, 25.3501,
59.0063

358.6818,
279.5770, 438.6278


 31.8824, 16.3381,
42.1981


 82.3789, 52.2246,
104.9160


 21.4268, 9.7637,
28.9297


 106.8055, 70.8559,
134.8547


 13.5506, 5.2426,
18.7826


 135.6383, 93.4624,
170.0073

 7.8883, 2.3903,
11.3380

 169.2426,
120.4285, 210.7923

 4.0748, 0.8209,
6.1777

 207.9837,
152.1387, 257.6283

 1.7445, 0.0000,
2.8829

252.2270,

 0.4839, 0.0000,

188.9772, 310.9339

1.0351

302.3379,
231.3285, 371.1275

■ 0.0000, 0.0000,
0.0000

■ 45.2827, 25.3501,
59.0063

■ 45.2827, 25.3501,
59.0063

■ 43.6727, 22.8353,
56.2944

■ 47.4510, 28.9633,
61.9579

■ 42.5525, 21.2833,
53.7983

■ 50.2307, 33.7825,
65.1667


■ 41.8160, 20.4819,
51.4827


■ 53.6715, 39.9062,
68.6498


■ 41.7782, 20.4441,
51.3534


■ 57.8171, 47.4221,
72.4221

■ 62.7077, 56.4101,
76.4973

 68.3802, 66.9441,
80.8882

 74.8691, 79.0930,
85.6065

 82.2069, 92.9216,
90.6635

 83.3163, 94.2753,
93.7003

Harmonies

Analogous

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



36.1750, 25.3501, 101.2378



45.2827, 25.3501, 59.0063



48.2380, 25.3501, 24.1933

Triad

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



45.2827, 25.3501, 59.0063



22.8729, 25.3501, 1.1746



11.5723, 25.3501, 69.8399

Complementary

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



45.2827, 25.3501, 59.0063



32.6576, 58.1862, 20.5783

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.



9.7499, 25.3501, 31.3166



45.2827, 25.3501, 59.0063



15.0563, 25.3501, 2.6487

Square

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



45.2827, 25.3501, 59.0063



33.4252, 25.3501, 1.9705



10.8266, 25.3501, 9.9540



16.6852, 25.3501, 109.9414

Rectangle

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



45.2827, 25.3501, 59.0063



45.8022, 25.3501, 11.0493



10.8266, 25.3501, 9.9540



10.6285, 25.3501, 55.6101

Sweetspot

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



45.2836, 25.3513, 59.0068



78.9036, 69.9122, 96.7201



20.9351, 12.4107, 75.4214



16.5065, 14.2603, 20.3884



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.



45.2836, 25.3513, 59.0068



55.0864, 28.2012, 70.5202



38.2478, 22.5370, 21.9566



14.8886, 14.5726, 17.6135



23.9246, 11.7041, 29.5617



1.7951, 0.8757, 2.3273

Inverse Universe

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



45.2836, 25.3513, 59.0068



55.0864, 28.2012, 70.5202



38.1230, 60.3723, 49.3585



14.8886, 14.5726, 17.6135



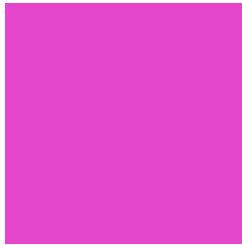
23.9246, 11.7041, 29.5617



1.7951, 0.8757, 2.3273

Previews

White Background



This preview shows how the XYZ color 45.2827, 25.3501, 59.0063 looks on a white background.

Color Contrast Check

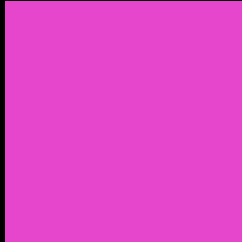
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.2827, 25.3501, 59.0063 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

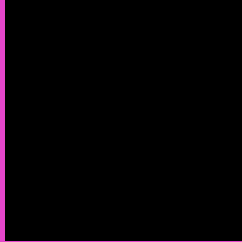
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 45.2827, 25.3501, 59.0063

Background



This preview shows how black text looks on a background with the XYZ color 45.2827, 25.3501, 59.0063.



This preview shows how white text looks on a background with the XYZ color 45.2827, 25.3501,

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

45.2827, 25.3501, 59.0063

Protanopia

29.5556, 25.8067, 98.0312

Deuteranopia

26.1790, 25.6635, 54.0258



Tritanopia

36.4244, 25.2359, 16.8612

Trichromacy



Original Color

45.2827, 25.3501, 59.0063



Protanomaly

30.3405, 22.3305, 82.0680



Deuteranomaly

30.2812, 23.2124, 55.7078



Tritanomaly

38.8863, 24.7857, 28.3258

Monochromacy



Original Color

45.2827, 25.3501, 59.0063



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

27.8959, 21.9453, 35.1133

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2827, 25.3501, 59.0063 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(229, 70, 203)` looks like.

```
.text, #text, p{  
    color:rgb(229, 70, 203)  
}
```

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(229, 70, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 70, 203) }
```

Border

The CSS property to change the border of an element to XYZ 45.2827, 25.3501, 59.0063 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(229, 70, 203) }
```


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

```
.border{ border-color:rgb(229, 70, 203) }
```

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

Here you see how a box with a 4 pixel rgb(229, 70, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 70, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 70, 203);  
box-shadow:4px 4px 4px 4px rgb(229, 70,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2827, 25.3501, 59.0063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 70, 203) }
```

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

```
.background{ background-color: rgb(229, 70,  
203) }
```

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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