

Converting Colors

XYZ(45.8597, 25.7005, 62.7371)

Have a look what the booklet for
XYZ(45.8597, 25.7005, 62.7371)
contains.

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Color

**XYZ(45.7568, 25.6039,
62.8520)**

Conversions

Conversions Part 1

Format	Color
Hex	E447D1
RGB	228, 71, 209
RGB Percent	89%, 28%, 82%
CMY	0.1059, 0.7215, 0.1804
CMYK	0.00, 0.69, 0.08, 0.11
HSL	307°, 74%, 59%
HSV	307°, 69%, 89%
XYZ	45.7568, 25.6039, 62.8520
YIQ	133.6750, 49.2740, 76.2020

Conversions

Conversions Part 2

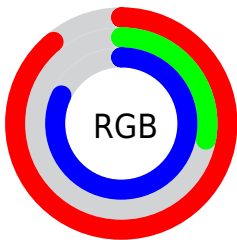
Format	Color
R _{YB}	228, 71, 209
Decimal	14960593
CIE _{Lab}	57.66, 74.37, -39.53
CIE _{LCh}	58, 84.226, 332.011
Yxy	25.6039, 0.3409, 0.1908
Android (android.graphics.Color)	4293150673 (0xFFE447D1)
YUV	133.6750, 37.1352, 82.7230
Hunter-Lab	50.6003, 72.8633, -38.2255

Details

The XYZ color **45.7568, 25.6039, 62.8520** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **32.1887, 57.5657, 19.0895**, and the grayscale version is **22.3979, 23.5643, 25.6616**.

A 20% lighter version of the original color is **67.4063, 44.7126, 99.6854**, and **22.1949, 10.7681, 31.4805** is the 20% darker color. If you saturate the color by 10%, you get **44.2307, 23.0931, 60.6723**, and if you desaturate by 10%, it is **47.8343, 29.2068, 65.2450**.

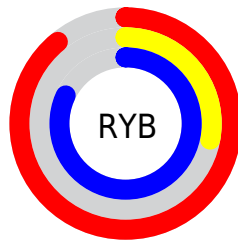
Distribution



Red (89%)

Green (28%)

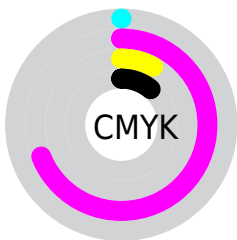
Blue (82%)



Red (89%)

Yellow (28%)

Blue (82%)

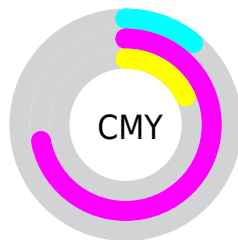


Cyan (0%)

Magenta (69%)

Yellow (8%)

Black (11%)



Cyan (11%)


Magenta (72%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.7568, 25.6039, 62.8520 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 45.7568, 25.6039, 62.8520 by changing the saturation by 10% instead.


 45.7568, 25.6039,
62.8520


 45.7568, 25.6039,
62.8520


360.5624,
280.8322, 453.1253


 32.2578, 16.5276,
45.2813


 83.0850, 52.6352,
110.5395

 21.7150, 9.8982,
31.3345


 107.6449, 71.3590,
141.4933


 13.7630, 5.3315,
20.5931


 136.6224, 94.0674,
177.7452

 8.0366, 2.4431,
12.6385

 170.3830,
121.1448, 219.7138

 4.1704, 0.8479,
7.0523

 209.2919,
152.9756, 267.8175

 1.7990, 0.0000,
3.4159

253.7145,

 0.5171, 0.0000,

189.9441, 322.4750

1.3107

304.0162,
232.4349, 384.1048

■ 0.0000, 0.0000,
0.0706

■ 0.0000, 0.0000,
0.0000

■ 45.7568, 25.6039,
62.8520

■ 45.7568, 25.6039,
62.8520

■ 44.2307, 23.0931,
60.6723

■ 47.8343, 29.2068,
65.2450

■ 43.1887, 21.5418,
58.6829


■ 50.5151, 34.0072,
67.8683


■ 42.5335, 20.7548,
56.8514


■ 53.8478, 40.1021,
70.7384


■ 42.4682, 20.6833,
56.6470


■ 57.8757, 47.5776,
73.8698

 62.6381, 56.5124,
77.2758

 68.1713, 66.9793,
80.9687

 74.5094, 79.0462,
84.9600

 81.6844, 92.7770,
89.2603

 82.5830, 93.9453,
91.4989

Harmonies

Analogous

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



36.1132, 25.6039, 106.3190



45.7568, 25.6039, 62.8520



49.2761, 25.6039, 25.9773

Triad

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



45.7568, 25.6039, 62.8520



23.6626, 25.6039, 1.0689



11.3303, 25.6039, 68.8270

Complementary

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



45.7568, 25.6039, 62.8520



32.1887, 57.5657, 19.0895

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.



9.6583, 25.6039, 29.8699



45.7568, 25.6039, 62.8520



15.4455, 25.6039, 2.3367

Square

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



45.7568, 25.6039, 62.8520



34.6036, 25.6039, 1.9835



10.9270, 25.6039, 9.1087



16.3311, 25.6039, 111.1401

Rectangle

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



45.7568, 25.6039, 62.8520



47.0697, 25.6039, 11.8294



10.9270, 25.6039, 9.1087



10.4340, 25.6039, 54.2609

Sweetspot

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



45.7577, 25.6051, 62.8525



79.2556, 70.0530, 98.5740



20.4085, 12.2489, 74.6883



16.5913, 14.2942, 20.8350



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.



45.7577, 25.6051, 62.8525



56.3132, 28.6919, 76.9804



38.3586, 22.6455, 23.8891



14.9161, 14.5836, 17.7584



24.5520, 11.9550, 32.8654



1.8356, 0.8919, 2.5407

Inverse Universe

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



45.7577, 25.6051, 62.8525



56.3132, 28.6919, 76.9804



37.3940, 59.6478, 46.5004



14.9161, 14.5836, 17.7584



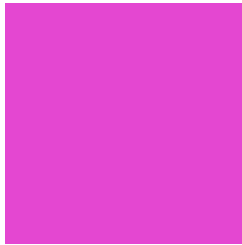
24.5520, 11.9550, 32.8654



1.8356, 0.8919, 2.5407

Previews

White Background



This preview shows how the XYZ color 45.7568, 25.6039, 62.8520 looks on a white background.

Color Contrast Check

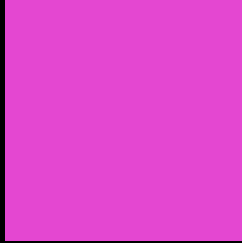
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.7568, 25.6039, 62.8520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

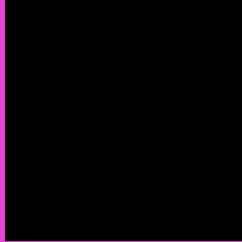
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 45.7568, 25.6039, 62.8520

Background



This preview shows how black text looks on a background with the XYZ color 45.7568, 25.6039, 62.8520.



This preview shows how white text looks on a background with the XYZ color 45.7568, 25.6039,

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

45.7568, 25.6039, 62.8520

Protanopia

29.8559, 26.1676, 98.0850

Deuteranopia

26.5997, 26.0135, 57.6520



Tritanopia

36.4251, 25.5123, 17.4725

Trichromacy



Original Color

45.7568, 25.6039, 62.8520



Protanomaly

30.8997, 22.7479, 83.6511



Deuteranomaly

30.7014, 23.5145, 59.4205



Tritanomaly

38.9761, 25.0561, 29.5701

Monochromacy



Original Color

45.7568, 25.6039, 62.8520



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

28.2659, 22.2669, 36.5264

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7568, 25.6039, 62.8520 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(228, 71, 209)` looks like.

```
.text, #text, p{  
    color:rgb(228, 71, 209)  
}
```

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(228, 71, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 71, 209) }
```

Border

The CSS property to change the border of an element to XYZ 45.7568, 25.6039, 62.8520 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(228, 71, 209) }
```


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

```
.border{ border-color:rgb(228, 71, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 71, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 71, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 71, 209);  
box-shadow:4px 4px 4px 4px rgb(228, 71,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7568, 25.6039, 62.8520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 71, 209) }
```

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

```
.background{ background-color: rgb(228, 71,  
209) }
```

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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