

Converting Colors

XYZ(45.3834, 27.8969, 62.4519)

Have a look what the booklet for
XYZ(45.3834, 27.8969, 62.4519)
contains.

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Color

**XYZ(45.4237, 27.9124,
62.6680)**

Conversions

Conversions Part 1

Format	Color
Hex	DE5DD0
RGB	222, 93, 208
RGB Percent	87%, 36%, 82%
CMY	0.1294, 0.6353, 0.1843
CMYK	0.00, 0.58, 0.06, 0.13
HSL	307°, 66%, 62%
HSV	307°, 58%, 87%
XYZ	45.4237, 27.9124, 62.6680
YIQ	144.6810, 39.9690, 63.1130

Conversions

Conversions Part 2

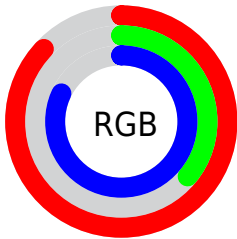
Format	Color
R _{YB}	222, 93, 208
Decimal	14573008
CIE _{Lab}	59.81, 64.15, -35.66
CIE _{LCh}	60, 73.396, 330.933
Yxy	27.9124, 0.3340, 0.2052
Android (android.graphics.Color)	4292763088 (0xFFDE5DD0)
YUV	144.6810, 31.2163, 67.8088
Hunter-Lab	52.8322, 61.0132, -33.3455

Details

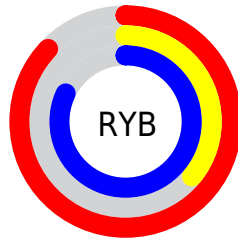
The XYZ color **45.4237, 27.9124, 62.6680** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted magenta. A complement of this color would be **33.2906, 55.6323, 22.8954**, and the grayscale version is **26.6517, 28.0397, 30.5352**.

A 20% lighter version of the original color is **70.0374, 49.9749, 100.5625**, and **21.5496, 11.1724, 31.1577** is the 20% darker color. If you saturate the color by 10%, you get **43.4564, 24.4480, 60.5609**, and if you desaturate by 10%, it is **47.9629, 32.5120, 64.9884**.

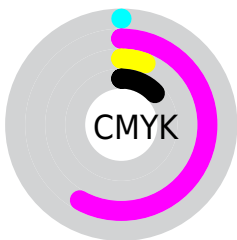
Distribution



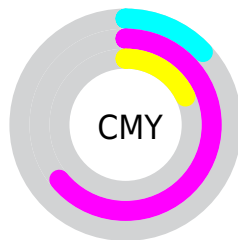
- Red (87%)
- Green (36%)
- Blue (82%)



- Red (87%)
- Yellow (36%)
- Blue (82%)



- Cyan (0%)
- Magenta (58%)
- Yellow (6%)
- Black (13%)



- Cyan (13%)
- Magenta (64%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4237, 27.9124, 62.6680 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 45.4237, 27.9124, 62.6680 by changing the saturation by 10% instead.

 45.4237, 27.9124,
62.6680


 45.4237, 27.9124,
62.6680

359.2418,
292.0481, 452.4383


 31.9940, 18.2596,
45.1334


 82.5890, 56.3446,
110.2713


 21.5124, 11.1366,
31.2188


 107.0553, 75.8927,
141.1772

 13.6137, 6.1588,
20.5057


 135.9312, 99.5082,
177.3771

 7.9324, 2.9419,
12.5754

 169.5820,
127.5753, 219.2898

 4.1031, 1.1015,
7.0096

208.3731,
160.4784, 267.3337

 1.7606, 0.0000,
3.3895

252.6699,

 0.4938, 0.0000,

198.6020, 321.9274

1.2968

302.8376,
242.3304, 383.4894

■ 0.0000, 0.0000,
0.0592

■ 0.0000, 0.0000,
0.0000

■ 45.4237, 27.9124,
62.6680

■ 45.4237, 27.9124,
62.6680

■ 43.4564, 24.4480,
60.5609

■ 47.9629, 32.5120,
64.9884

■ 42.0076, 22.0141,
58.6485


■ 51.1154, 38.3319,
67.5355


■ 41.0188, 20.4930,
56.9114


■ 54.9225, 45.4533,
70.3230


■ 40.4051, 19.7150,
55.3213


■ 59.4206, 53.9497,
73.3635


 40.3067, 19.6026,
55.0285

 64.6437, 63.8887,
76.6682

 70.6235, 75.3337,
80.2478

 77.3897, 88.3443,
84.1124

 79.7879, 92.6111,
86.5438

 80.1234, 92.7453,
88.3107

Harmonies

Analogous

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



36.8212, 27.9124, 98.8568



45.4237, 27.9124, 62.6680



48.7193, 27.9124, 29.5655

Triad

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



45.4237, 27.9124, 62.6680



26.2398, 27.9124, 2.5632



13.9603, 27.9124, 65.0374

Complementary

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



45.4237, 27.9124, 62.6680



33.2906, 55.6323, 22.8954

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.



12.3692, 27.9124, 31.2335



45.4237, 27.9124, 62.6680



18.3606, 27.9124, 4.2324

Square

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



45.4237, 27.9124, 62.6680



36.1972, 27.9124, 4.0123



13.7714, 27.9124, 11.6870



18.7581, 27.9124, 100.6990

Rectangle

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



45.4237, 27.9124, 62.6680



46.9746, 27.9124, 15.5242



13.7714, 27.9124, 11.6870



13.0908, 27.9124, 52.5993

Sweetspot

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



45.4247, 27.9137, 62.6686



81.9977, 75.0928, 100.8578



23.0326, 16.1622, 71.0136



17.2630, 15.5271, 21.3997



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.



45.4247, 27.9137, 62.6686



58.9451, 32.5325, 82.2452



39.1198, 25.3918, 29.4676



14.2276, 13.9087, 16.9686



23.9665, 11.6536, 32.8188



1.6798, 0.8152, 2.3728

Inverse Universe

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



45.4247, 27.9137, 62.6686



58.9451, 32.5325, 82.2452



37.9303, 57.4882, 47.3277



14.2276, 13.9087, 16.9686



23.9665, 11.6536, 32.8188



1.6798, 0.8152, 2.3728

Previews

White Background



This preview shows how the XYZ color 45.4237, 27.9124, 62.6680 looks on a white background.

Color Contrast Check

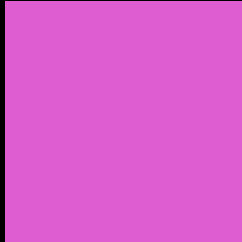
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.4237, 27.9124, 62.6680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

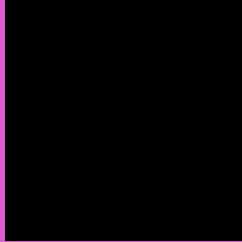
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 45.4237, 27.9124, 62.6680

Background



This preview shows how black text looks on a background with the XYZ color 45.4237, 27.9124, 62.6680.

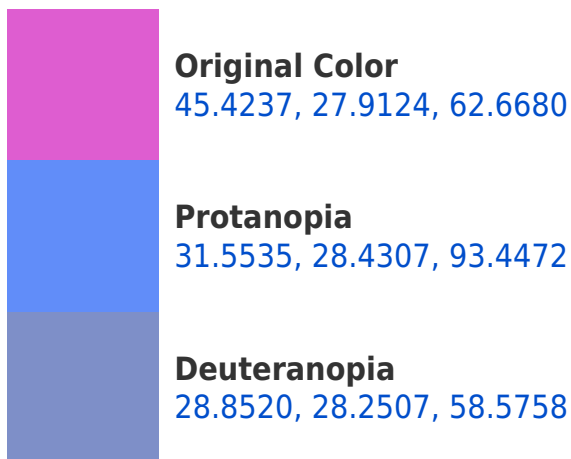


This preview shows how white text looks on a background with the XYZ color 45.4237, 27.9124,

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





Tritanopia

37.1465, 27.8377, 22.1543

Trichromacy



Original Color

45.4237, 27.9124, 62.6680



Protanomaly

33.2143, 26.1066, 81.1304



Deuteranomaly

32.8110, 26.5561, 59.8964



Tritanomaly

39.4093, 27.4474, 33.7926

Monochromacy



Original Color

45.4237, 27.9124, 62.6680



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

31.7623, 26.6331, 40.5124

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4237, 27.9124, 62.6680 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(222, 93, 208)` looks like.

```
.text, #text, p{  
    color:rgb(222, 93, 208)  
}
```

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(222, 93, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 93, 208) }
```

Border

The CSS property to change the border of an element to XYZ 45.4237, 27.9124, 62.6680 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(222, 93, 208) }
```


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

```
.border{ border-color:rgb(222, 93, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 93, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 93, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 93, 208);  
box-shadow:4px 4px 4px 4px rgb(222, 93,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4237, 27.9124, 62.6680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 93, 208) }
```

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

```
.background{ background-color: rgb(222, 93,  
208) }
```

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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