

# Converting Colors

XYZ(44.4357, 27.6585, 57.0294)

Have a look what the booklet for  
XYZ(44.4357, 27.6585, 57.0294)  
contains.

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# Color

**XYZ(44.4357, 27.6585,  
57.0294)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DE5EC7
RGB	222, 94, 199
RGB Percent	87%, 37%, 78%
CMY	0.1294, 0.6313, 0.2196
CMYK	0.00, 0.58, 0.10, 0.13
HSL	311°, 66%, 62%
HSV	311°, 58%, 87%
XYZ	44.4357, 27.6585, 57.0294
YIQ	144.2420, 42.5830, 59.7910

# Conversions

## Conversions Part 2

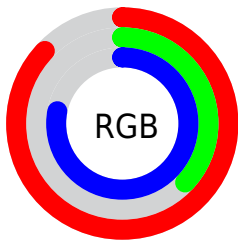
Format	Color
R <sub>YB</sub>	222, 94, 199
Decimal	14573255
CIE <sub>Lab</sub>	59.58, 62.29, -30.91
CIE <sub>LCh</sub>	60, 69.537, 333.610
Yxy	27.6585, 0.3441, 0.2142
Android (android.graphics.Color)	4292763335 (0xFFDE5EC7)
YUV	144.2420, 26.9957, 68.1938
Hunter-Lab	52.5913, 58.7841, -27.4794

# Details

The XYZ color **44.4357, 27.6585, 57.0294** 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 **33.9496, 55.9076, 25.8336**, and the grayscale version is **26.4904, 27.8700, 30.3504**.

A 20% lighter version of the original color is **70.1963, 50.2927, 100.6154**, and **20.9645, 11.0246, 27.8111** is the 20% darker color. If you saturate the color by 10%, you get **42.2809, 24.0801, 54.0559**, and if you desaturate by 10%, it is **47.1720, 32.3795, 60.2572**.

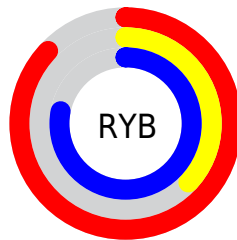
# Distribution



Red (87%)

Green (37%)

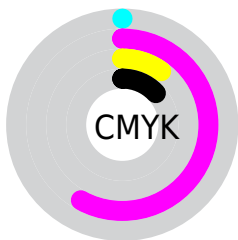
Blue (78%)



Red (87%)

Yellow (37%)

Blue (78%)

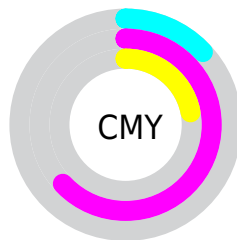


Cyan (0%)

Magenta (58%)

Yellow (10%)

Black (13%)



Cyan (13%)

Magenta (63%)

Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.4357, 27.6585, 57.0294 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 44.4357, 27.6585, 57.0294 by changing the saturation by 10% instead.





 44.4357, 27.6585,  
57.0294

 44.4357, 27.6585,  
57.0294

355.3056,  
290.8315, 431.0563

 31.2126, 18.0684,  
40.6193


 81.1153, 55.9388,  
102.0088


 20.9134, 10.9991,  
27.7043


 105.3024, 75.3977,  
131.4153

 13.1728, 6.0662,  
17.8658

 133.8749, 98.9150,  
165.9910

 7.6255, 2.8854,  
10.6852

 167.1981,  
126.8752, 206.1544

 3.9060, 1.0722,  
5.7441

205.6375,  
159.6625, 252.3241

 1.6491, 0.0000,  
2.6238

249.5583,

 0.4241, 0.0000,

197.6614, 304.9186

0.9047

299.3258,  
241.2562, 364.3565

■ 0.0000, 0.0000,  
0.0000

■ 44.4357, 27.6585,  
57.0294

■ 44.4357, 27.6585,  
57.0294

■ 42.2809, 24.0801,  
54.0559

■ 47.1720, 32.3795,  
60.2572

■ 40.6547, 21.5400,  
51.3177

■ 50.5313, 38.3275,  
63.7528

■ 39.4989, 19.9216,  
48.7954

■ 54.5546, 45.5837,  
67.5305

■ 38.7328, 19.0635,  
46.4615

■ 59.2785, 54.2211,  
71.6030

■ 38.5791, 18.9116,  
45.9313

■ 64.7367, 64.3073,  
75.9819

■ 70.9609, 75.9054,  
80.6783

■ 77.9810, 89.0749,  
85.7025

■ 80.2963, 92.8145,  
89.2214

■ 80.8661, 93.0424,  
92.2218

# Harmonies

## Analogous

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



36.7513, 27.6585, 90.7558



44.4357, 27.6585, 57.0294



46.9227, 27.6585, 27.1807

# Triad

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



44.4357, 27.6585, 57.0294



25.2428, 27.6585, 3.0755



14.6132, 27.6585, 65.4616

# Complementary

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



44.4357, 27.6585, 57.0294



33.9496, 55.9076, 25.8336

# 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.



12.8127, 27.6585, 33.2541



44.4357, 27.6585, 57.0294



18.0279, 27.6585, 5.1643

# Square

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



44.4357, 27.6585, 57.0294



34.5034, 27.6585, 4.2829



13.9083, 27.6585, 13.3671



19.4935, 27.6585, 97.2376



# Rectangle

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



44.4357, 27.6585, 57.0294



44.9273, 27.6585, 14.6390



13.9083, 27.6585, 13.3671



13.6837, 27.6585, 53.8455

# Sweetspot

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



44.4366, 27.6598, 57.0299



81.5170, 74.9005, 98.3266



24.3031, 16.9483, 71.0984



17.1484, 15.4813, 20.7962



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.



44.4366, 27.6598, 57.0299



57.4105, 32.2075, 73.2732



38.6196, 25.3330, 26.3977



14.1838, 13.8912, 16.7381



22.9527, 11.2481, 27.4802



1.6189, 0.7908, 2.0520



# Inverse Universe

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



44.4366, 27.6598, 57.0299



57.4105, 32.2075, 73.2732



38.9090, 57.8914, 51.9497



14.1838, 13.8912, 16.7381



22.9527, 11.2481, 27.4802



1.6189, 0.7908, 2.0520



# Previews

## White Background



This preview shows how the XYZ color 44.4357, 27.6585, 57.0294 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

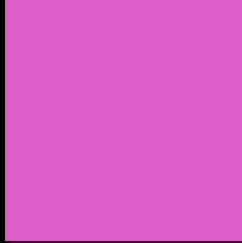
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.4357, 27.6585, 57.0294 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

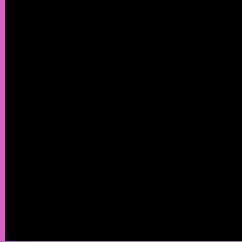
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 44.4357, 27.6585, 57.0294**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.4357, 27.6585, 57.0294.



This preview shows how white text looks on a background with the XYZ color 44.4357, 27.6585,



# 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

44.4357, 27.6585, 57.0294

### Protanopia

30.7832, 28.2261, 84.7146

### Deuteranopia

28.5927, 28.0131, 53.1903



## Tritanopia

37.2617, 27.7359, 21.8020

# Trichromacy



## Original Color

44.4357, 27.6585, 57.0294



## Protanomaly

32.8749, 26.0930, 73.8248



## Deuteranomaly

32.5883, 26.5616, 54.4482



## Tritanomaly

39.3780, 27.4691, 32.0808

# Monochromacy



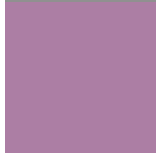
## Original Color

44.4357, 27.6585, 57.0294



## Achromatopsia

26.5089, 27.8894, 30.3716



## Achromatomaly

31.1750, 26.3727, 38.5693

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.4357, 27.6585, 57.0294 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, 94, 199)` looks like.

```
.text, #text, p{  
  color:rgb(222, 94, 199)  
}
```

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, 94, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 94, 199) }
```

## Border

The CSS property to change the border of an element to XYZ 44.4357, 27.6585, 57.0294 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, 94, 199) }
```



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

```
.border{ border-color:rgb(222, 94, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 94, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 94, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 94, 199);  
box-shadow:4px 4px 4px 4px rgb(222, 94,  
199) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.4357, 27.6585, 57.0294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 94, 199) }
```

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

```
.background{ background-color: rgb(222, 94,  
199) }
```

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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