

# Converting Colors

XYZ(44.9943, 27.2905, 67.4058)

Have a look what the booklet for  
XYZ(44.9943, 27.2905, 67.4058)  
contains.

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# Color

**XYZ(44.9203, 27.2939,  
67.1907)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DA5BD7
RGB	218, 91, 215
RGB Percent	85%, 36%, 84%
CMY	0.1451, 0.6431, 0.1569
CMYK	0.00, 0.58, 0.01, 0.15
HSL	301°, 63%, 61%
HSV	301°, 58%, 85%
XYZ	44.9203, 27.2939, 67.1907
YIQ	143.1090, 35.8880, 65.4880

# Conversions

## Conversions Part 2

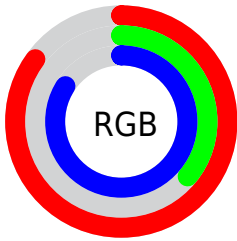
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	218, 91, 215
Decimal	14310359
CIE <sub>Lab</sub>	59.25, 65.13, -40.54
CIE <sub>LCh</sub>	59, 76.720, 328.102
Yxy	27.2939, 0.3222, 0.1958
Android (android.graphics.Color)	4292500439 (0xFFDA5BD7)
YUV	143.1090, 35.4423, 65.6794
Hunter-Lab	52.2436, 62.0524, -39.6827

# Details

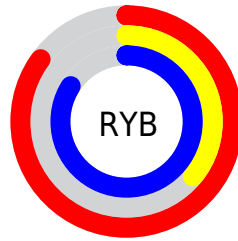
The XYZ color **44.9203, 27.2939, 67.1907** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted magenta. A complement of this color would be **31.4074, 53.1763, 19.2000**, and the grayscale version is **26.0060, 27.3603, 29.7954**.

A 20% lighter version of the original color is **69.7237, 49.3474, 100.4579**, and **21.2576, 10.8422, 34.2300** is the 20% darker color. If you saturate the color by 10%, you get **43.2544, 24.0671, 66.3095**, and if you desaturate by 10%, it is **47.1295, 31.6055, 68.2545**.

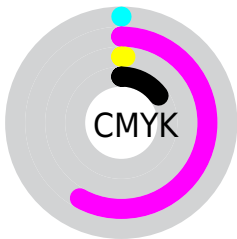
# Distribution



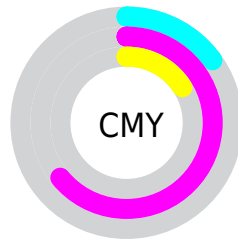
- Red (85%)
- Green (36%)
- Blue (84%)



- Red (85%)
- Yellow (36%)
- Blue (84%)



- Cyan (0%)
- Magenta (58%)
- Yellow (1%)
- Black (15%)




- Cyan (15%)
- Magenta (64%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.9203, 27.2939, 67.1907 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 44.9203, 27.2939, 67.1907 by changing the saturation by 10% instead.





 44.9203, 27.2939,  
67.1907


 44.9203, 27.2939,  
67.1907

357.2398,  
289.0773, 469.1432


 31.5957, 17.7941,  
48.7770


 81.8386, 55.3551,  
116.8369

 21.2069, 10.8022,  
34.0783


 106.1630, 74.6853,  
148.9065

 13.3886, 5.9340,  
22.6759


 134.8846, 98.0611,  
186.3651

 7.7755, 2.8050,  
14.1513

 168.3690,  
125.8668, 229.6314

 4.0023, 1.0308,  
8.0860

206.9813,  
158.4869, 279.1238

 1.7034, 0.0000,  
4.0615

251.0870,

 0.4584, 0.0000,

196.3058, 335.2609

1.6591

301.0513,  
239.7078, 398.4612

■ 0.0000, 0.0000,  
0.3325

■ 0.0000, 0.0000,  
0.0000

■ 44.9203, 27.2939,  
67.1907

■ 44.9203, 27.2939,  
67.1907

■ 43.2544, 24.0671,  
66.3095

■ 47.1295, 31.6055,  
68.2545

■ 42.0805, 21.8248,  
65.5932


■ 49.9217, 37.0833,  
69.5133


■ 41.3427, 20.4543,  
65.0232

■ 53.3360, 43.8053,  
70.9806


■ 40.9578, 19.7893,  
64.5719


■ 57.4077, 51.8416,  
72.6680


 40.9051, 19.7021,  
64.4981

 62.1692, 61.2570,  
74.5864

 67.6507, 72.1123,  
76.7459

 73.8808, 84.4644,  
79.1559

 77.4761, 91.5465,  
80.6887

 77.5441, 91.5737,  
81.0467

# Harmonies

## Analogous

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



35.6157, 27.2939, 104.7058



44.9203, 27.2939, 67.1907



49.0341, 27.2939, 31.4994

# Triad

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



44.9203, 27.2939, 67.1907



26.5567, 27.2939, 2.0327



12.8556, 27.2939, 62.1132

# Complementary

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



44.9203, 27.2939, 67.1907



31.4074, 53.1763, 19.2000

# 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.



11.5498, 27.2939, 28.0059



44.9203, 27.2939, 67.1907



18.2008, 27.2939, 3.2528

# Square

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



44.9203, 27.2939, 67.1907



36.9364, 27.2939, 3.6690



13.2413, 27.2939, 9.6576



17.3795, 27.2939, 100.7137



# Rectangle

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



44.9203, 27.2939, 67.1907



47.6695, 27.2939, 16.1626



13.2413, 27.2939, 9.6576



12.0832, 27.2939, 49.2940

# Sweetspot

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



44.9213, 27.2951, 67.1913



82.5816, 75.3264, 103.9324



20.9233, 14.8787, 68.0998



17.4025, 15.5829, 22.1342



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.



44.9213, 27.2951, 67.1913



61.2373, 33.4493, 94.3156



38.3547, 24.6685, 32.6122



13.6004, 13.2693, 16.4230



24.5121, 11.8059, 38.6721



1.5923, 0.7666, 2.5281



# Inverse Universe

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



44.9213, 27.2951, 67.1913



61.2373, 33.4493, 94.3156



35.4402, 54.7894, 40.4361



13.6004, 13.2693, 16.4230



24.5121, 11.8059, 38.6721



1.5923, 0.7666, 2.5281



# Previews

## White Background



This preview shows how the XYZ color 44.9203, 27.2939, 67.1907 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

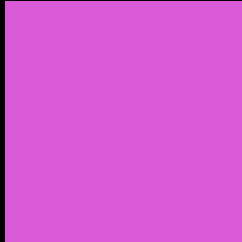
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 44.9203, 27.2939, 67.1907 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

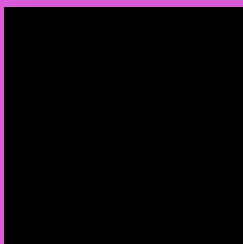
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 44.9203, 27.2939, 67.1907**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.9203, 27.2939, 67.1907.



This preview shows how white text looks on a background with the XYZ color 44.9203, 27.2939,



# 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

44.9203, 27.2939, 67.1907

### Protanopia

31.3071, 27.7599, 98.3159

### Deuteranopia

28.2848, 27.6538, 62.2395



## Tritanopia

35.6156, 27.2114, 22.4440

# Trichromacy



## Original Color

44.9203, 27.2939, 67.1907



## Protanomaly

32.6794, 25.3612, 85.6109



## Deuteranomaly

31.9180, 25.6394, 63.5882



## Tritanomaly

38.2075, 26.7986, 35.0572

# Monochromacy



## Original Color

44.9203, 27.2939, 67.1907



## Achromatopsia

26.1081, 27.4677, 29.9124



## Achromatomaly

30.9466, 25.8259, 40.8900

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.9203, 27.2939, 67.1907 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(218, 91, 215)` looks like.

```
.text, #text, p{  
    color:rgb(218, 91, 215)  
}
```

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(218, 91, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 91, 215) }
```

## Border

The CSS property to change the border of an element to XYZ 44.9203, 27.2939, 67.1907 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(218, 91, 215) }
```



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

```
.border{ border-color:rgb(218, 91, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 91, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 91, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 91, 215);  
box-shadow:4px 4px 4px 4px rgb(218, 91,  
215) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.9203, 27.2939, 67.1907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 91, 215) }
```

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

```
.background{ background-color: rgb(218, 91,  
215) }
```

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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