

# Converting Colors

XYZ(47.6425, 27.4776, 84.2139)

Have a look what the booklet for  
XYZ(47.6425, 27.4776, 84.2139)  
contains.

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# Color

**XYZ(47.6638, 27.4781,  
84.4530)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DA54EF
RGB	218, 84, 239
RGB Percent	85%, 33%, 94%
CMY	0.1451, 0.6706, 0.0627
CMYK	0.09, 0.65, 0.00, 0.06
HSL	292°, 83%, 63%
HSV	292°, 65%, 94%
XYZ	47.6638, 27.4781, 84.4530
YIQ	141.7360, 30.1090, 76.6130

# Conversions

## Conversions Part 2

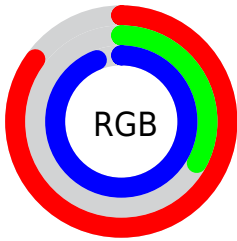
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">218, 84, 239</a>
Decimal	<a href="#">14308591</a>
CIELab	<a href="#">59.41, 72.18, -53.73</a>
CIELCh	<a href="#">59, 89.984, 323.334</a>
Yxy	<a href="#">27.4781, 0.2987, 0.1722</a>
Android (android.graphics.Color)	<a href="#">4292498671 (0xFFDA54EF)</a>
YUV	<a href="#">141.7360, 47.9512, 66.8835</a>
Hunter-Lab	<a href="#">52.4196, 70.5714, -58.8283</a>

# Details

The XYZ color **47.6638, 27.4781, 84.4530** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted magenta. A complement of this color would be **38.2933, 65.3770, 18.9894**, and the grayscale version is **25.4168, 26.7404, 29.1203**.

A 20% lighter version of the original color is **68.9630, 47.8260, 100.2043**, and **22.7958, 10.8569, 45.1501** is the 20% darker color. If you saturate the color by 10%, you get **45.1566, 23.8862, 83.8923**, and if you desaturate by 10%, it is **50.8246, 32.3471, 85.2266**.

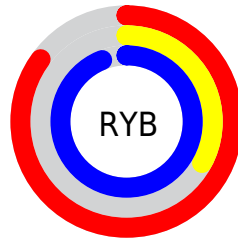
# Distribution



Red (85%)

Green (33%)

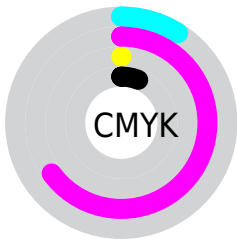
Blue (94%)



Red (85%)

Yellow (33%)

Blue (94%)

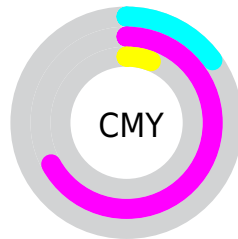


Cyan (9%)

Magenta (65%)

Yellow (0%)

Black (6%)



Cyan (15%)

Magenta (67%)


Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.6638, 27.4781, 84.4530 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 47.6638, 27.4781, 84.4530 by changing the saturation by 10% instead.





 47.6638, 27.4781,  
84.4530


 47.6638, 27.4781,  
84.4530

368.0628,  
289.9646, 529.9136

 33.7709, 17.9326,  
62.8420


 85.9164, 55.6501,  
141.4760

 22.8797, 10.9016,  
45.2732


 111.0067, 75.0454,  
177.7251

 14.6249, 6.0007,  
31.3281


 140.5602, 98.4928,  
219.6907

 8.6412, 2.8455,  
20.5883

 174.9422,  
126.3767, 267.7911

 4.5631, 1.0516,  
12.6351

214.5181,  
159.0814, 322.4452

 2.0254, 0.0000,  
7.0500

259.6533,

 0.6481, 0.0000,

196.9913, 384.0712

3.4145

310.7131,  
240.4910, 453.0879

■ 0.0000, 0.0000,  
1.3100

■ 0.0000, 0.0000,  
0.0699

■ 47.6638, 27.4781,  
84.4530

■ 47.6638, 27.4781,  
84.4530

■ 45.1566, 23.8862,  
83.8923

■ 50.8246, 32.3471,  
85.2266

■ 43.2322, 21.4330,  
83.5202

■ 54.6938, 38.6057,  
86.2307

■ 41.8088, 19.9542,  
83.3097

■ 59.3241, 46.3579,  
87.4830

■ 41.2065, 19.4429,  
83.2428

■ 64.7619, 55.6968,  
88.9990

71.0503, 66.7081,  
90.7930

78.2290, 79.4711,  
92.8781

86.3352, 94.0600,  
95.2668

88.6155, 96.9682,  
95.7080

89.7485, 97.5523,  
95.7610

# Harmonies

## Analogous

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



35.6844, 27.4781, 130.8766



47.6638, 27.4781, 84.4530



54.1259, 27.4781, 37.7246

# Triad

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



47.6638, 27.4781, 84.4530



28.7167, 27.4781, 0.9132



10.8349, 27.4781, 61.8831

# Complementary

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



47.6638, 27.4781, 84.4530



38.2933, 65.3770, 18.9894

# 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.



9.9547, 27.4781, 23.2720



47.6638, 27.4781, 84.4530



18.4337, 27.4781, 1.4494

# Square

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



47.6638, 27.4781, 84.4530



41.3279, 27.4781, 2.6344



12.2966, 27.4781, 6.0434



15.1883, 27.4781, 112.5216



# Rectangle

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



47.6638, 27.4781, 84.4530



53.4170, 27.4781, 17.7582



12.2966, 27.4781, 6.0434



10.1868, 27.4781, 46.6527

# Sweetspot

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



47.6649, 27.4793, 84.4536



79.1202, 71.6642, 104.2702



24.5210, 18.6857, 83.9761



16.4915, 14.5635, 22.1918



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.



47.6649, 27.4793, 84.4536



51.4809, 26.5608, 97.0211



47.4984, 28.1847, 48.6987



16.2314, 15.9165, 19.9383



22.8537, 10.7869, 46.0054



1.9589, 0.9271, 3.8299



# Inverse Universe

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



41.3175, 25.7123, 16.1510



44.2222, 24.7233, 10.6344



39.1292, 65.4607, 34.7141



15.8600, 15.7937, 16.8189



19.8456, 10.2107, 1.8375

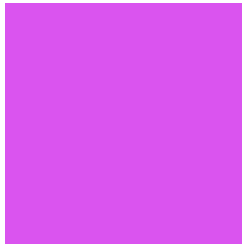


1.6781, 0.8603, 0.2959



# Previews

## White Background



This preview shows how the XYZ color 47.6638, 27.4781, 84.4530 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

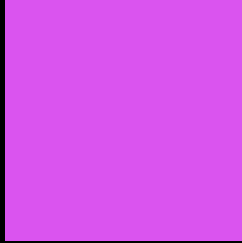
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.6638, 27.4781, 84.4530 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

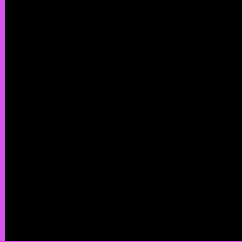
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 47.6638, 27.4781, 84.4530**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.6638, 27.4781, 84.4530.



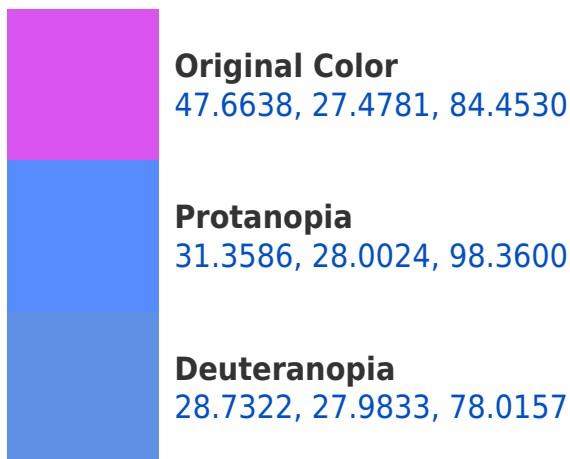
This preview shows how white text looks on a background with the XYZ color 47.6638, 27.4781,



# 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

34.9378, 27.1857, 23.4846

# Trichromacy



## Original Color

47.6638, 27.4781, 84.4530



## Protanomaly

33.8070, 25.4234, 92.7479



## Deuteranomaly

32.3150, 25.2912, 80.2693



## Tritanomaly

38.2343, 26.5451, 40.1543

# Monochromacy



## Original Color

47.6638, 27.4781, 84.4530



## Achromatopsia

25.7108, 27.0498, 29.4572



## Achromatomaly

31.3507, 25.3951, 44.8444

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.6638, 27.4781, 84.4530 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, 84, 239)` looks like.

```
.text, #text, p{  
    color:rgb(218, 84, 239)  
}
```

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, 84, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 84, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 47.6638, 27.4781, 84.4530 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, 84, 239) }
```



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

```
.border{ border-color:rgb(218, 84, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 84, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 84, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 84, 239);  
box-shadow:4px 4px 4px 4px rgb(218, 84,  
239) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.6638, 27.4781, 84.4530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 84, 239) }
```

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

```
.background{ background-color: rgb(218, 84,  
239) }
```

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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