

# Converting Colors

XYZ(41.8511, 27.7488, 44.3257)

Have a look what the booklet for  
XYZ(41.8511, 27.7488, 44.3257)  
contains.

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# Color

**XYZ(41.8013, 27.6974,  
44.2173)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DB66B0
RGB	219, 102, 176
RGB Percent	86%, 40%, 69%
CMY	0.1412, 0.6000, 0.3098
CMYK	0.00, 0.53, 0.20, 0.14
HSL	322°, 62%, 63%
HSV	322°, 53%, 86%
XYZ	41.8013, 27.6974, 44.2173
YIQ	145.4190, 45.9780, 47.8180

# Conversions

## Conversions Part 2

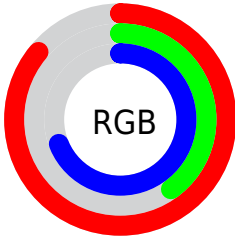
Format	Color
R <sub>Y</sub> B	219, 102, 176
Decimal	14378672
CIE <sub>Lab</sub>	59.61, 54.31, -17.74
CIE <sub>LCh</sub>	60, 57.135, 341.914
Yxy	27.6974, 0.3676, 0.2436
Android (android.graphics.Color)	4292568752 (0xFFDB66B0)
YUV	145.4190, 15.0764, 64.5305
Hunter-Lab	52.6283, 49.6783, -12.9745

# Details

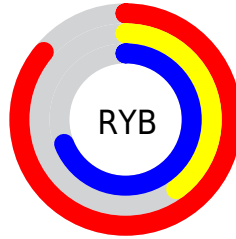
The XYZ color **41.8013, 27.6974, 44.2173** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **35.9232, 55.5331, 35.6162**, and the grayscale version is **27.0125, 28.4192, 30.9485**.

A 20% lighter version of the original color is **67.8625, 51.2001, 82.6498**, and **19.2501, 10.9611, 19.8400** is the 20% darker color. If you saturate the color by 10%, you get **39.1534, 23.6384, 39.5212**, and if you desaturate by 10%, it is **45.0665, 32.9148, 49.3527**.

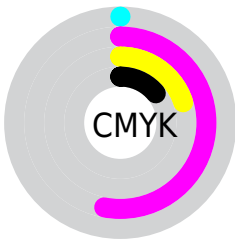
# Distribution



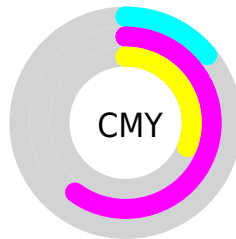
- Red (86%)
- Green (40%)
- Blue (69%)



- Red (86%)
- Yellow (40%)
- Blue (69%)



- Cyan (0%)
- Magenta (53%)
- Yellow (20%)
- Black (14%)




- Cyan (14%)
- Magenta (60%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8013, 27.6974, 44.2173 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 41.8013, 27.6974, 44.2173 by changing the saturation by 10% instead.





 41.8013, 27.6974,  
44.2173

 41.8013, 27.6974,  
44.2173


344.6642,  
291.0181, 379.6616

 29.1362, 18.0977,  
30.5029


 77.1659, 56.0010,  
82.8506


 19.3287, 11.0201,  
19.9654


 100.5960, 75.4736,  
108.6066

 12.0134, 6.0804,  
12.1860


 128.3452, 99.0060,  
139.2135

 6.8251, 2.8940,  
6.7464

 160.7788,  
126.9825, 175.0900

 3.3983, 1.0767,  
3.2280

198.2621,  
159.7876, 216.6545

 1.3677, 0.0000,  
1.2122

241.1606,

 0.2331, 0.0000,

197.8057, 264.3255

0.0000

289.8395,  
241.4210, 318.5217

■ 0.0000, 0.0000,  
0.0000

■ 41.8013, 27.6974,  
44.2173

■ 41.8013, 27.6974,  
44.2173

■ 39.1534, 23.6384,  
39.5212

■ 45.0665, 32.9148,  
49.3527

■ 37.0737, 20.6418,  
35.2432

■ 48.9881, 39.3684,  
54.9436

■ 35.5093, 18.6027,  
31.3620

■ 53.6048, 47.1342,  
61.0069

■ 34.3953, 17.3929,  
27.8515

■ 58.9514, 56.2806,  
67.5580

■ 33.8381, 16.9100,  
25.7191

■ 65.0605, 66.8714,  
74.6112

■ 71.9624, 78.9663,  
82.1805

■ 79.5881, 92.4260,  
90.2460

■ 80.7604, 92.8949,  
96.4190

■ 81.9857, 93.3850,  
102.8715

# Harmonies

## Analogous

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



36.6995, 27.6974, 70.3320



41.8013, 27.6974, 44.2173



42.3285, 27.6974, 22.6902

# Triad

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



41.8013, 27.6974, 44.2173



23.5695, 27.6974, 5.6199



17.3086, 27.6974, 65.1564

# Complementary

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



41.8013, 27.6974, 44.2173



35.9232, 55.5331, 35.6162

# 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.



14.9697, 27.6974, 39.1066



41.8013, 27.6974, 44.2173



18.1177, 27.6974, 9.2286

# Square

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



41.8013, 27.6974, 44.2173



30.8616, 27.6974, 5.9881



15.2361, 27.6974, 19.4475



22.2573, 27.6974, 85.7323



# Rectangle

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



41.8013, 27.6974, 44.2173



39.9130, 27.6974, 13.6778



15.2361, 27.6974, 19.4475



16.2355, 27.6974, 56.3506

# Sweetspot

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



41.8022, 27.6987, 44.2178



81.0661, 75.7460, 92.7893



29.1984, 20.6295, 69.4613



17.0103, 15.6280, 19.4459



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.



41.8022, 27.6987, 44.2178



54.9022, 32.8206, 55.0816



37.2122, 25.8628, 20.0476



13.4008, 13.1894, 15.3718



20.1186, 10.0485, 15.5367



1.3444, 0.6674, 1.2223



# Inverse Universe

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



41.8022, 27.6987, 44.2178



54.9022, 32.8206, 55.0816



41.6393, 57.8195, 65.7167



13.4008, 13.1894, 15.3718



20.1186, 10.0485, 15.5367



1.3444, 0.6674, 1.2223



# Previews

## White Background



This preview shows how the XYZ color 41.8013, 27.6974, 44.2173 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

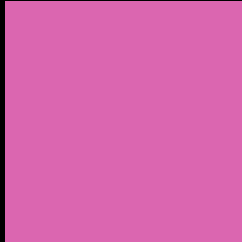
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.8013, 27.6974, 44.2173 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

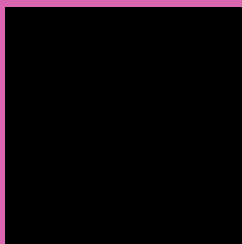
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 41.8013, 27.6974, 44.2173**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.8013, 27.6974, 44.2173.



This preview shows how white text looks on a background with the XYZ color 41.8013, 27.6974,



# 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

41.8013, 27.6974, 44.2173

### Protanopia

29.0046, 28.0389, 61.6409

### Deuteranopia

28.6346, 28.0630, 41.9377



## Tritanopia

37.2617, 27.7359, 21.8020

# Trichromacy



## Original Color

41.8013, 27.6974, 44.2173



## Protanomaly

31.6251, 26.4447, 54.4765



## Deuteranomaly

32.2693, 27.0415, 42.5485



## Tritanomaly

38.7773, 27.7038, 28.8948

# Monochromacy



## Original Color

41.8013, 27.6974, 44.2173



## Achromatopsia

26.9133, 28.3149, 30.8349



## Achromatomaly

30.8643, 26.8715, 35.0125

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.8013, 27.6974, 44.2173 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(219, 102, 176)` looks like.

```
.text, #text, p{  
    color:rgb(219, 102, 176)  
}
```

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(219, 102, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 102, 176) }
```

## Border

The CSS property to change the border of an element to XYZ 41.8013, 27.6974, 44.2173 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(219, 102, 176) }
```



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

```
.border{ border-color:rgb(219, 102, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 102, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 102, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 102, 176);  
box-shadow:4px 4px 4px 4px rgb(219, 102,  
176) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.8013, 27.6974, 44.2173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 102, 176) }
```

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

```
.background{ background-color: rgb(219,  
102, 176) }
```

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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