

# Converting Colors

XYZ(43.3821, 27.8487, 74.3228)

Have a look what the booklet for  
XYZ(43.3821, 27.8487, 74.3228)  
contains.

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# Color

**XYZ(43.5188, 27.9181,  
74.3292)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CD66E1
RGB	205, 102, 225
RGB Percent	80%, 40%, 88%
CMY	0.1961, 0.6000, 0.1176
CMYK	0.09, 0.55, 0.00, 0.12
HSL	290°, 67%, 64%
HSV	290°, 55%, 88%
XYZ	43.5188, 27.9181, 74.3292
YIQ	146.8190, 21.9050, 60.0890

# Conversions

## Conversions Part 2

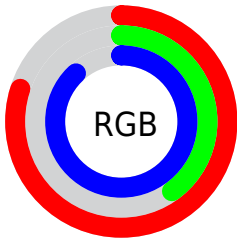
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	205, 102, 225
Decimal	13461217
CIE Lab	59.81, 58.59, -45.39
CIE LCh	60, 74.111, 322.236
Yxy	27.9181, 0.2986, 0.1915
Android (android.graphics.Color)	4291651297 (0xFFCD66E1)
YUV	146.8190, 38.5432, 51.0247
Hunter-Lab	52.8376, 54.5528, -46.4198

# Details

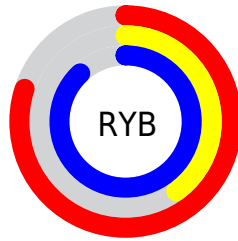
The XYZ color **43.5188, 27.9181, 74.3292** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **37.3504, 58.9480, 21.9811**, and the grayscale version is **27.4991, 28.9312, 31.5061**.

A 20% lighter version of the original color is **71.3470, 52.5939, 100.9990**, and **20.3512, 11.1145, 38.6088** is the 20% darker color. If you saturate the color by 10%, you get **40.6030, 23.5664, 73.6433**, and if you desaturate by 10%, it is **47.0602, 33.4842, 75.2173**.

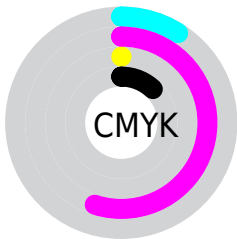
# Distribution



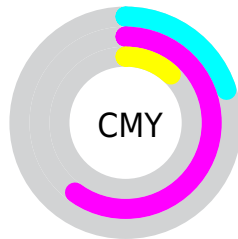
- Red (80%)
- Green (40%)
- Blue (88%)



- Red (80%)
- Yellow (40%)
- Blue (88%)



- Cyan (9%)
- Magenta (55%)
- Yellow (0%)
- Black (12%)




- Cyan (20%)
- Magenta (60%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.5188, 27.9181, 74.3292 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 43.5188, 27.9181, 74.3292 by changing the saturation by 10% instead.





 43.5188, 27.9181,  
74.3292

 43.5188, 27.9181,  
74.3292

351.6265,  
292.0754, 494.8025


 30.4887, 18.2639,  
54.5651

 79.7440, 56.3537,  
127.1007

 20.3597, 11.1396,  
38.6574


 103.6698, 75.9038,  
160.9452

 12.7666, 6.1608,  
26.1875


 131.9582, 99.5215,  
200.3202

 7.3439, 2.9431,  
16.7370

 164.9745,  
127.5910, 245.6444

 3.7263, 1.1021,  
9.8872

203.0841,  
160.4967, 297.3361

 1.5485, 0.0000,  
5.2196

246.6524,

 0.3585, 0.0000,

198.6231, 355.8140

2.3157

296.0448,  
242.3545, 421.4967

■ 0.0000, 0.0000,  
0.7400

■ 0.0000, 0.0000,  
0.0000

■ 43.5188, 27.9181,  
74.3292

■ 43.5188, 27.9181,  
74.3292

■ 40.6030, 23.5664,  
73.6433

■ 47.0602, 33.4842,  
75.2173

■ 38.2598, 20.3260,  
73.1414


■ 51.2685, 40.3496,  
76.3207


■ 36.4322, 18.0822,  
72.8046


■ 56.1849, 48.5958,  
77.6533


■ 35.0495, 16.6939,  
72.6095


■ 61.8464, 58.2965,  
79.2273


 34.4324, 16.1806,  
72.5430

 68.2873, 69.5200,  
81.0542

 75.5398, 82.3306,  
83.1446

 82.1802, 93.8805,  
85.0240

 83.3709, 94.4943,  
85.0797

 84.5863, 95.1209,  
85.1366

# Harmonies

## Analogous

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



33.9701, 27.9181, 107.7670



43.5188, 27.9181, 74.3292



48.7439, 27.9181, 37.9320

# Triad

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



43.5188, 27.9181, 74.3292



29.0499, 27.9181, 2.5584



13.0869, 27.9181, 54.4614

# Complementary

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



43.5188, 27.9181, 74.3292



37.3504, 58.9480, 21.9811

# 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.



12.3658, 27.9181, 23.9342



43.5188, 27.9181, 74.3292



20.2731, 27.9181, 3.2619

# Square

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



43.5188, 27.9181, 74.3292



39.1982, 27.9181, 5.1072



14.6692, 27.9181, 8.4557



16.9436, 27.9181, 92.3284



# Rectangle

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



43.5188, 27.9181, 74.3292



48.3779, 27.9181, 20.7043



14.6692, 27.9181, 8.4557



12.5134, 27.9181, 42.7250

# Sweetspot

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



43.5198, 27.9193, 74.3298



80.9885, 75.4379, 104.9001



26.0923, 22.3044, 74.1646



16.9900, 15.5531, 22.3565



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.



43.5198, 27.9193, 74.3298



53.3132, 30.4223, 97.6699



44.4553, 28.9720, 48.5976



14.0648, 13.8169, 17.3133



19.9254, 9.3672, 41.8062



1.4403, 0.6798, 2.9005



# Inverse Universe

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



39.3164, 26.9165, 21.5366



47.6649, 29.2443, 19.0715



37.3635, 58.6591, 35.3409



13.7977, 13.7367, 14.7048



18.1102, 9.3111, 1.9799

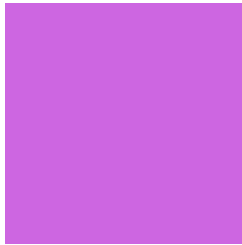


1.2834, 0.6566, 0.2853



# Previews

## White Background



This preview shows how the XYZ color 43.5188, 27.9181, 74.3292 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 43.5188, 27.9181, 74.3292 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

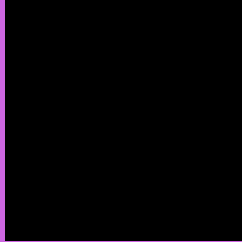
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 43.5188, 27.9181, 74.3292**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.5188, 27.9181, 74.3292.



This preview shows how white text looks on a background with the XYZ color 43.5188, 27.9181,



# 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

43.5188, 27.9181, 74.3292

### Protanopia

31.8893, 28.4939, 98.4269

### Deuteranopia

28.9281, 28.2713, 69.5779



## Tritanopia

33.6991, 27.7540, 26.5026

# Trichromacy



## Original Color

43.5188, 27.9181, 74.3292



## Protanomaly

33.4342, 26.6159, 88.9632



## Deuteranomaly

32.4456, 26.8876, 71.1899



## Tritanomaly

36.4551, 27.4200, 40.4170

# Monochromacy



## Original Color

43.5188, 27.9181, 74.3292



## Achromatopsia

27.7328, 29.1771, 31.7738



## Achromatomaly

32.0026, 27.6526, 44.2082

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.5188, 27.9181, 74.3292 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(205, 102, 225)` looks like.

```
.text, #text, p{  
    color:rgb(205, 102, 225)  
}
```

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(205, 102, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 102, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 43.5188, 27.9181, 74.3292 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".

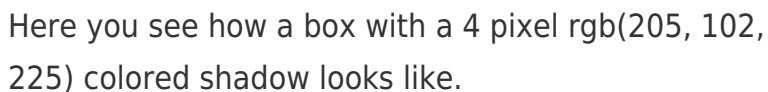
```
.border, #border, table{ border:4px solid rgb(205, 102, 225) }
```



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

```
.border{ border-color:rgb(205, 102, 225) }
```

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



Here you see how a box with a 4 pixel `rgb(205, 102, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 102, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 102, 225);  
box-shadow:4px 4px 4px 4px rgb(205, 102,  
225) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.5188, 27.9181, 74.3292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 102, 225) }
```

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

```
.background{ background-color: rgb(205,  
102, 225) }
```

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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