

Converting Colors

XYZ(42.3324, 28.6427, 62.1224)

Have a look what the booklet for
XYZ(42.3324, 28.6427, 62.1224)
contains.

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Color

**XYZ(42.4633, 28.7077,
62.3346)**

Conversions

Conversions Part 1

Format	Color
Hex	CF6DCF
RGB	207, 109, 207
RGB Percent	81%, 43%, 81%
CMY	0.1882, 0.5725, 0.1882
CMYK	0.00, 0.47, 0.00, 0.19
HSL	300°, 51%, 62%
HSV	300°, 47%, 81%
XYZ	42.4633, 28.7077, 62.3346
YIQ	149.4740, 26.9500, 51.2540

Conversions

Conversions Part 2

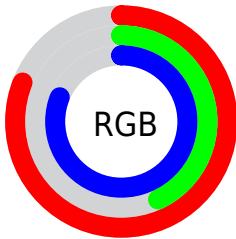
Format	Color
R _Y B	207, 109, 207
Decimal	13594063
CIE Lab	60.52, 52.39, -34.13
CIE LCh	61, 62.531, 326.917
Yxy	28.7077, 0.3181, 0.2150
Android (android.graphics.Color)	4291784143 (0xFFCF6DCF)
YUV	149.4740, 28.3603, 50.4503
Hunter-Lab	53.5796, 47.7020, -31.4724

Details

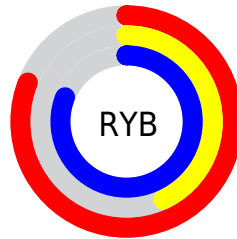
The XYZ color **42.4633, 28.7077, 62.3346** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **31.3811, 48.9822, 22.2702**, and the grayscale version is **28.6439, 30.1356, 32.8177**.

A 20% lighter version of the original color is **72.5655, 55.0309, 101.4052**, and **19.6114, 11.4834, 30.8886** is the 20% darker color. If you saturate the color by 10%, you get **40.5099, 24.8002, 61.6836**, and if you desaturate by 10%, it is **44.9386, 33.6576, 63.1601**.

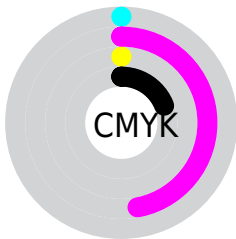
Distribution



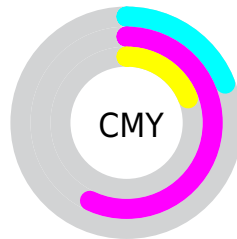
- Red (81%)
- Green (43%)
- Blue (81%)



- Red (81%)
- Yellow (43%)
- Blue (81%)



- Cyan (0%)
- Magenta (47%)
- Yellow (0%)
- Black (19%)




- Cyan (19%)
- Magenta (57%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.4633, 28.7077, 62.3346 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 42.4633, 28.7077, 62.3346 by changing the saturation by 10% instead.


 42.4633, 28.7077,
62.3346


 42.4633, 28.7077,
62.3346


347.3590,
295.8333, 451.1919


 29.6569, 18.8598,
44.8656


 78.1611, 57.6124,
109.7853


 19.7251, 11.5690,
31.0094


 101.7833, 77.4379,
140.6040

 12.3025, 6.4509,
20.3475


 129.7414,
101.3581, 176.7097

 7.0237, 3.1212,
12.4613

 162.4008,
129.7574, 218.5209

 3.5234, 1.1953,
6.9323

200.1269,
163.0202, 266.4562

 1.4362, 0.0579,
3.3420

243.2851,

 0.2818, 0.0000,

201.5309, 320.9341

1.2718

292.2407,
245.6738, 382.3731

■ 0.0000, 0.0000,
0.0385

■ 0.0000, 0.0000,
0.0000

■ 42.4633, 28.7077,
62.3346

■ 42.4633, 28.7077,
62.3346

■ 40.5099, 24.8002,
61.6836

■ 44.9386, 33.6576,
63.1601

■ 39.0384, 21.8572,
61.1930


■ 47.9663, 39.7129,
64.1694


■ 38.0078, 19.7960,
60.8494


■ 51.5780, 46.9363,
65.3734


■ 37.3690, 18.5185,
60.6363


■ 55.8022, 55.3846,
66.7816


 37.0548, 17.8901,
60.5315


 60.6653, 65.1109,
68.4027

 36.9950, 17.7706,
60.5116

 66.1925, 76.1652,
70.2452

 72.4073, 88.5947,
72.3169

 72.7553, 89.2907,
72.4330

 72.7553, 89.2907,
72.4331

Harmonies

Analogous

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



34.9313, 28.7077, 89.9929



42.4633, 28.7077, 62.3346



45.9004, 28.7077, 33.7092

Triad

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



42.4633, 28.7077, 62.3346



28.1289, 28.7077, 4.5681



15.6558, 28.7077, 56.0034

Complementary

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



42.4633, 28.7077, 62.3346



31.3811, 48.9822, 22.2702

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.



14.5381, 28.7077, 28.9282



42.4633, 28.7077, 62.3346



20.8462, 28.7077, 6.0171

Square

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



42.4633, 28.7077, 62.3346



36.6633, 28.7077, 6.8496



16.2392, 28.7077, 12.7331



19.6614, 28.7077, 85.2422

Rectangle

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



42.4633, 28.7077, 62.3346



44.9884, 28.7077, 20.0266



16.2392, 28.7077, 12.7331



14.9689, 28.7077, 46.0563

Sweetspot

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



42.4643, 28.7090, 62.3352



84.6998, 79.2997, 105.4497



23.0391, 18.6949, 61.4266



17.8265, 16.3679, 22.4697



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.



42.4643, 28.7090, 62.3352



64.8280, 39.5564, 98.8251



37.3736, 26.6727, 35.5278



12.3109, 12.0091, 14.9128



23.3081, 11.1961, 38.1244



1.3032, 0.6260, 2.1317

Inverse Universe

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



42.4643, 28.7090, 62.3352



64.8280, 39.5564, 98.8251



34.7923, 50.3466, 40.2333



12.3109, 12.0091, 14.9128



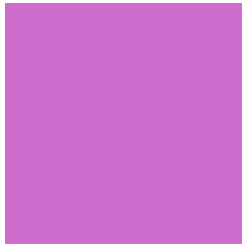
23.3081, 11.1961, 38.1244



1.3032, 0.6260, 2.1317

Previews

White Background



This preview shows how the XYZ color 42.4633, 28.7077, 62.3346 looks on a white background.

Color Contrast Check

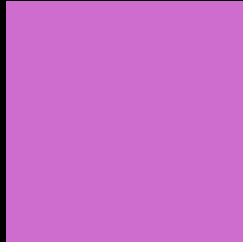
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.4633, 28.7077, 62.3346 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

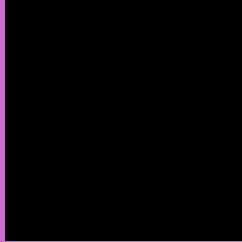
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.4633, 28.7077, 62.3346

Background



This preview shows how black text looks on a background with the XYZ color 42.4633, 28.7077, 62.3346.

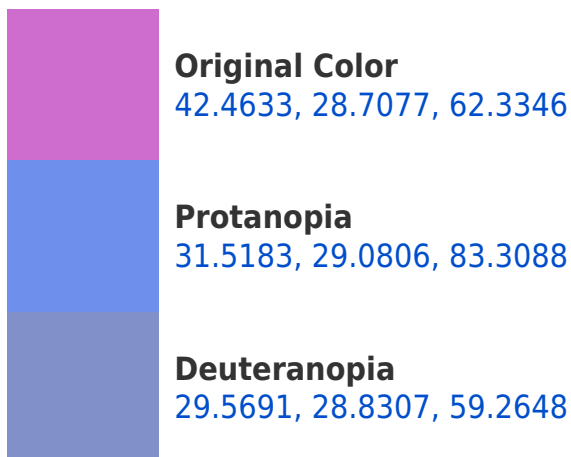


This preview shows how white text looks on a background with the XYZ color 42.4633, 28.7077,

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

35.1227, 28.6767, 26.6057

Trichromacy



Original Color

42.4633, 28.7077, 62.3346



Protanomaly

33.5610, 27.7798, 74.8274



Deuteranomaly

32.8004, 27.7125, 60.1202



Tritanomaly

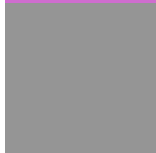
37.2369, 28.4237, 37.2419

Monochromacy



Original Color

42.4633, 28.7077, 62.3346



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

32.3584, 28.4985, 41.8255

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4633, 28.7077, 62.3346 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(207, 109, 207)` looks like.

```
.text, #text, p{  
    color:rgb(207, 109, 207)  
}
```

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(207, 109, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 109, 207) }
```

Border

The CSS property to change the border of an element to XYZ 42.4633, 28.7077, 62.3346 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(207, 109, 207) }
```


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

```
.border{ border-color:rgb(207, 109, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 109, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 109, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 109, 207);  
box-shadow:4px 4px 4px 4px rgb(207, 109,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4633, 28.7077, 62.3346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 109, 207) }
```

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

```
.background{ background-color: rgb(207,  
109, 207) }
```

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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