

Converting Colors

XYZ(43.0058, 29.2643, 70.6070)

Have a look what the booklet for
XYZ(43.0058, 29.2643, 70.6070)
contains.

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Color

**XYZ(42.9375, 29.2594,
70.4024)**

Conversions

Conversions Part 1

Format	Color
Hex	CA70DB
RGB	202, 112, 219
RGB Percent	79%, 44%, 86%
CMY	0.2078, 0.5608, 0.1412
CMYK	0.08, 0.49, 0.00, 0.14
HSL	290°, 60%, 65%
HSV	290°, 49%, 86%
XYZ	42.9375, 29.2594, 70.4024
YIQ	151.1080, 19.2930, 52.3570

Conversions

Conversions Part 2

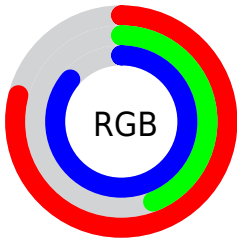
Format	Color
R _{YB}	202, 112, 219
Decimal	13267163
CIE _{Lab}	61.01, 51.71, -40.17
CIE _{LCh}	61, 65.480, 322.161
Y _{xy}	29.2594, 0.3011, 0.2052
Android (android.graphics.Color)	4291457243 (0xFFCA70DB)
YUV	151.1080, 33.4708, 44.6323
Hunter-Lab	54.0920, 47.0301, -39.3034

Details

The XYZ color **42.9375, 29.2594, 70.4024** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **37.3103, 56.5007, 24.2698**, and the grayscale version is **29.3181, 30.8450, 33.5902**.

A 20% lighter version of the original color is **72.9262, 55.7524, 101.5254**, and **20.1189, 11.9193, 36.3622** is the 20% darker color. If you saturate the color by 10%, you get **39.8779, 24.5214, 69.6496**, and if you desaturate by 10%, it is **46.6080, 35.1860, 71.3533**.

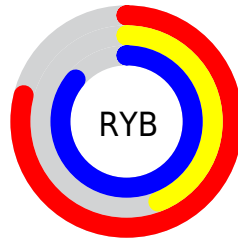
Distribution



Red (79%)

Green (44%)

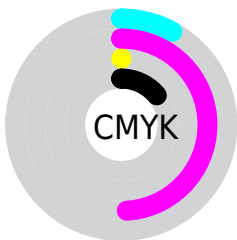
Blue (86%)



Red (79%)

Yellow (44%)

Blue (86%)

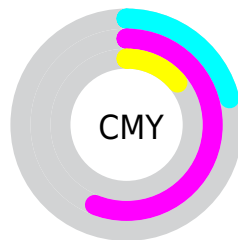


Cyan (8%)

Magenta (49%)

Yellow (0%)

Black (14%)



Cyan (21%)


Magenta (56%)


Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.9375, 29.2594, 70.4024 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 42.9375, 29.2594, 70.4024 by changing the saturation by 10% instead.


 42.9375, 29.2594,
70.4024


 42.9375, 29.2594,
70.4024


349.2805,
298.4369, 480.7889


 30.0304, 19.2771,
51.3758


 78.8728, 58.4890,
121.4689


 20.0098, 11.8707,
36.1290


 102.6318, 78.5051,
154.3459

 12.5105, 6.6557,
24.2434


 130.7387,
102.6346, 192.6769

 7.1670, 3.2477,
15.3004

 163.5590,
131.2619, 236.8802

 3.6140, 1.2624,
8.8815

201.4579,
164.7714, 287.3746

 1.4862, 0.1118,
4.5682

244.8009,

 0.3164, 0.0000,

203.5474, 344.5784

1.9420

293.9534,
247.9745, 408.9104

■ 0.0000, 0.0000,
0.5192

■ 0.0000, 0.0000,
0.0000

■ 42.9375, 29.2594,
70.4024

■ 42.9375, 29.2594,
70.4024

■ 39.8779, 24.5214,
69.6496

■ 46.6080, 35.1860,
71.3533

■ 37.3826, 20.8814,
69.0785

■ 50.9253, 42.3755,
72.5135

■ 35.4031, 18.2420,
68.6734

■ 55.9263, 50.9004,
73.8954

■ 33.8812, 16.4867,
68.4148

■ 61.6441, 60.8268,
75.5100

■ 32.7259, 15.4341,
68.2725

■ 68.1097, 72.2164,
77.3677

■ 32.6031, 15.3305,
68.2590

■ 75.3520, 85.1269,
79.4779

■ 80.0224, 92.8611,
80.7246

■ 81.1269, 93.4305,
80.7763

■ 82.2537, 94.0113,
80.8290

Harmonies

Analogous

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



34.4916, 29.2594, 98.4835



42.9375, 29.2594, 70.4024



47.5080, 29.2594, 38.7295

Triad

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



42.9375, 29.2594, 70.4024



30.1159, 29.2594, 4.2622



15.1831, 29.2594, 53.1502

Complementary

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



42.9375, 29.2594, 70.4024



37.3103, 56.5007, 24.2698

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.



14.4847, 29.2594, 25.8524



42.9375, 29.2594, 70.4024



22.0526, 29.2594, 5.1082

Square

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



42.9375, 29.2594, 70.4024



39.1773, 29.2594, 7.2503



16.7325, 29.2594, 10.8095



18.8866, 29.2594, 85.4613

Rectangle

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



42.9375, 29.2594, 70.4024



47.2007, 29.2594, 22.9252



16.7325, 29.2594, 10.8095



14.6247, 29.2594, 42.8548

Sweetspot

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



42.9385, 29.2607, 70.4030



81.8380, 76.8425, 105.1265



27.4299, 24.4815, 70.2980



17.1604, 15.8313, 22.4012



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.



42.9385, 29.2607, 70.4030



56.0423, 34.2369, 98.2624



43.5905, 30.0824, 48.4919



13.4007, 13.1647, 16.4869



19.4093, 9.1300, 40.4777



1.3131, 0.6202, 2.6249

Inverse Universe

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



38.9709, 28.2346, 24.1659



50.1720, 32.8422, 24.2734



37.3335, 56.2361, 36.7671



13.1400, 13.0851, 13.9984



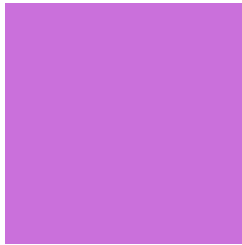
17.5264, 9.0116, 1.8862



1.1622, 0.5945, 0.2629

Previews

White Background



This preview shows how the XYZ color 42.9375, 29.2594, 70.4024 looks on a white background.

Color Contrast Check

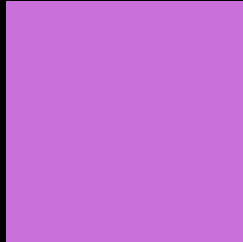
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.9375, 29.2594, 70.4024 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

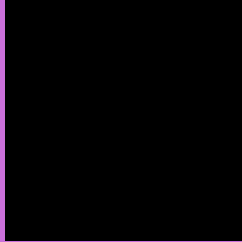
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.9375, 29.2594, 70.4024

Background



This preview shows how black text looks on a background with the XYZ color 42.9375, 29.2594, 70.4024.



This preview shows how white text looks on a background with the XYZ color 42.9375, 29.2594,

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

42.9375, 29.2594, 70.4024

Protanopia

32.5875, 29.6652, 92.0041

Deuteranopia

30.3152, 29.4994, 67.0470



Tritanopia

34.4099, 29.2321, 29.0281

Trichromacy



Original Color

42.9375, 29.2594, 70.4024



Protanomaly

34.3525, 28.1924, 83.7519



Deuteranomaly

33.5533, 28.5358, 68.0295



Tritanomaly

36.8748, 28.8820, 41.1674

Monochromacy



Original Color

42.9375, 29.2594, 70.4024



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

33.3597, 29.5720, 45.0240

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9375, 29.2594, 70.4024 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(202, 112, 219)` looks like.

```
.text, #text, p{  
    color:rgb(202, 112, 219)  
}
```

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(202, 112, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 112, 219) }
```

Border

The CSS property to change the border of an element to XYZ 42.9375, 29.2594, 70.4024 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(202, 112, 219) }
```


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

```
.border{ border-color:rgb(202, 112, 219) }
```

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

Here you see how a box with a 4 pixel rgb(202, 112, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 112, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 112, 219);  
box-shadow:4px 4px 4px 4px rgb(202, 112,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9375, 29.2594, 70.4024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 112, 219) }
```

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

```
.background{ background-color: rgb(202,  
112, 219) }
```

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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