

Converting Colors

XYZ(42.9256, 37.8136, 70.5116)

Have a look what the booklet for
XYZ(42.9256, 37.8136, 70.5116)
contains.

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Color

**XYZ(42.9024, 37.8243,
70.6853)**

Conversions

Conversions Part 1

Format	Color
Hex	B49AD9
RGB	180, 154, 217
RGB Percent	71%, 60%, 85%
CMY	0.2941, 0.3961, 0.1490
CMYK	0.17, 0.29, 0.00, 0.15
HSL	265°, 45%, 73%
HSV	265°, 29%, 85%
XYZ	42.9024, 37.8243, 70.6853
YIQ	168.9560, -4.7270, 25.1050

Conversions

Conversions Part 2

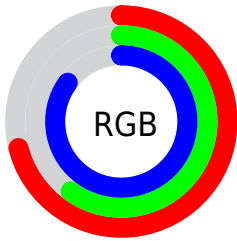
Format	Color
RYB	180, 154, 217
Decimal	11836121
CIELab	67.89, 21.95, -28.54
CIELCh	68, 36.000, 307.564
Yxy	37.8243, 0.2833, 0.2498
Android (android.graphics.Color)	4290026201 (0xFFB49AD9)
YUV	168.9560, 23.6857, 9.6856
Hunter-Lab	61.5015, 16.8911, -25.0926

Details

The XYZ color **42.9024, 37.8243, 70.6853** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **52.1327, 63.0361, 39.9931**, and the grayscale version is **37.5797, 39.5368, 43.0556**.

A 20% lighter version of the original color is **75.4425, 70.6538, 104.2690**, and **19.9760, 16.7448, 36.3616** is the 20% darker color. If you saturate the color by 10%, you get **36.8078, 29.8384, 69.4657**, and if you desaturate by 10%, it is **49.9197, 47.2487, 72.1352**.

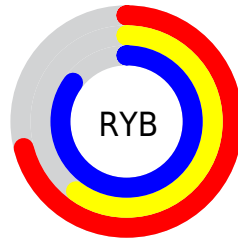
Distribution



Red (71%)

Green (60%)

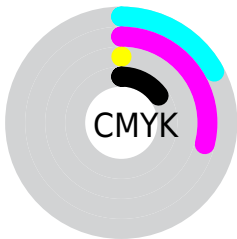
Blue (85%)



Red (71%)

Yellow (60%)

Blue (85%)

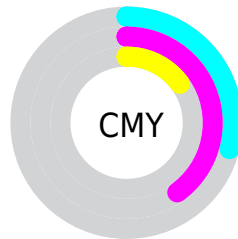


Cyan (17%)

Magenta (29%)

Yellow (0%)

Black (15%)



Cyan (29%)

Magenta (40%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.9024, 37.8243, 70.6853 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 42.9024, 37.8243, 70.6853 by changing the saturation by 10% instead.

■ 42.9024, 37.8243,
70.6853

■ 42.9024, 37.8243,
70.6853

349.1386,
336.8657, 481.8065

■ 30.0027, 25.8464,
51.6052

■ 78.8202, 71.8388,
121.8758

■ 19.9887, 16.7087,
36.3104

■ 102.5690, 94.6441,
154.8232

■ 12.4951, 10.0270,
24.3824

130.6650,
121.8273, 193.2302

■ 7.1564, 5.4169,
15.4027

163.4733,
153.7728, 237.5152

■ 3.6073, 2.4939,
8.9528

201.3595,
190.8650, 288.0968

■ 1.4825, 0.8736,
4.6140

244.6889,

■ 0.3139, 0.0000,

233.4882, 345.3935

1.9679

293.8268,
282.0270, 409.8239

■ 0.0000, 0.0000,
0.5354

■ 0.0000, 0.0000,
0.0000

■ 42.9024, 37.8243,
70.6853

■ 42.9024, 37.8243,
70.6853

■ 36.8078, 29.8384,
69.4657

■ 49.9197, 47.2487,
72.1352

■ 31.5900, 23.2128,
68.4618

■ 57.8953, 58.1752,
73.8238

■ 27.2044, 17.8688,
67.6615

■ 66.8674, 70.6691,
75.7625

■ 23.6006, 13.7173,
67.0501

■ 76.8707, 84.7903,
77.9609

■ 20.7218, 10.6574,
66.6112

■ 85.4976, 95.7138,
79.6147

■ 18.5021, 8.5702,
66.3253

■ 89.5245, 97.7898,
79.8032

■ 16.8410, 7.2689,
66.1617

■ 16.6977, 7.1612,
66.1485

Harmonies

Analogous

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



37.3830, 37.8243, 79.8079



42.9024, 37.8243, 70.6853



46.8170, 37.8243, 54.0704

Triad

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



42.9024, 37.8243, 70.6853



40.2064, 37.8243, 18.7979



26.3227, 37.8243, 45.3665

Complementary

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



42.9024, 37.8243, 70.6853



52.1327, 63.0361, 39.9931

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.



26.9113, 37.8243, 30.5276



42.9024, 37.8243, 70.6853



34.5558, 37.8243, 17.6030

Square

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



42.9024, 37.8243, 70.6853



45.1515, 37.8243, 25.1374



29.7940, 37.8243, 21.3013



28.0936, 37.8243, 62.9206

Rectangle

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



42.9024, 37.8243, 70.6853



47.7811, 37.8243, 42.5049



29.7940, 37.8243, 21.3013



26.2547, 37.8243, 39.8912

Sweetspot

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



42.9036, 37.8259, 70.6861



83.3745, 83.7540, 106.3796



44.6579, 49.4927, 72.8456



17.4656, 17.4025, 22.6884



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.



42.9036, 37.8259, 70.6861



56.1559, 47.0396, 100.7276



50.8592, 41.9271, 71.0585



12.8452, 12.8783, 16.4609



10.2214, 4.3935, 40.0477



0.7586, 0.3343, 2.5990

Inverse Universe

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



49.5761, 41.6261, 54.7135



67.5076, 53.5124, 73.2155



45.2041, 59.4643, 39.6688



13.3752, 13.1792, 15.2372



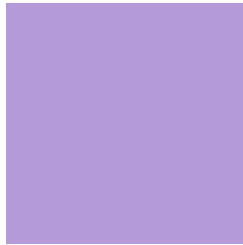
19.7125, 9.8860, 13.3979



1.3196, 0.6575, 1.0917

Previews

White Background



This preview shows how the XYZ color 42.9024, 37.8243, 70.6853 looks on a white background.

Color Contrast Check

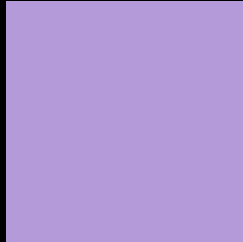
Large Text (above 18pt) WCAG AA × Fail

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 42.9024, 37.8243, 70.6853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

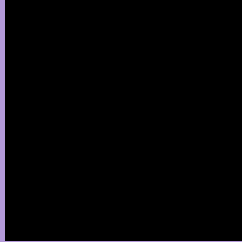
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.9024, 37.8243, 70.6853

Background



This preview shows how black text looks on a background with the XYZ color 42.9024, 37.8243, 70.6853.



This preview shows how white text looks on a background with the XYZ color 42.9024, 37.8243,

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

42.9024, 37.8243, 70.6853

Protanopia

38.7645, 37.8721, 75.7879

Deuteranopia

38.8805, 38.0692, 69.5889



Tritanopia

37.8918, 37.8200, 45.8603

Trichromacy



Original Color

42.9024, 37.8243, 70.6853

Protanomaly

40.1192, 37.8357, 73.5951

Deuteranomaly

40.2753, 37.9920, 70.1762

Tritanomaly

39.5969, 37.7441, 53.9136

Monochromacy



Original Color

42.9024, 37.8243, 70.6853

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

39.3720, 38.9803, 51.9032

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9024, 37.8243, 70.6853 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(180, 154, 217)` looks like.

```
.text, #text, p{  
    color:rgb(180, 154, 217)  
}
```

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(180, 154, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 154, 217) }
```

Border

The CSS property to change the border of an element to XYZ 42.9024, 37.8243, 70.6853 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(180, 154, 217) }
```


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

```
.border{ border-color:rgb(180, 154, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 154, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 154, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 154, 217);  
box-shadow:4px 4px 4px 4px rgb(180, 154,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9024, 37.8243, 70.6853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 154, 217) }
```

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

```
.background{ background-color: rgb(180,  
154, 217) }
```

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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