

Converting Colors

XYZ(42.6219, 37.7391, 67.9887)

Have a look what the booklet for
XYZ(42.6219, 37.7391, 67.9887)
contains.

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Color

**XYZ(42.6219, 37.7391,
67.9887)**

Conversions

Conversions Part 1

Format	Color
Hex	B59AD5
RGB	181, 154, 213
RGB Percent	71%, 60%, 84%
CMY	0.2902, 0.3961, 0.1647
CMYK	0.15, 0.28, 0.00, 0.16
HSL	267°, 41%, 72%
HSV	267°, 28%, 84%
XYZ	42.6219, 37.7391, 67.9887
YIQ	168.7990, -2.8470, 24.0730

Conversions

Conversions Part 2

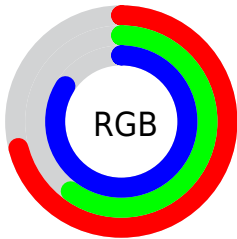
Format	Color
RYB	181, 154, 213
Decimal	11901653
CIELab	67.83, 21.38, -26.41
CIElCh	68, 33.983, 308.989
Yxy	37.7391, 0.2873, 0.2544
Android (android.graphics.Color)	4290091733 (0xFFB59AD5)
YUV	168.7990, 21.7911, 10.7003
Hunter-Lab	61.4322, 16.3378, -22.6154

Details

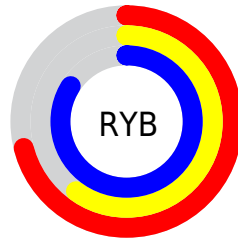
The XYZ color **42.6219, 37.7391, 67.9887** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **49.8779, 60.3616, 39.5957**, and the grayscale version is **37.5107, 39.4641, 42.9764**.

A 20% lighter version of the original color is **75.7755, 70.8255, 104.2846**, and **19.7742, 16.6811, 34.5253** is the 20% darker color. If you saturate the color by 10%, you get **36.8161, 29.9830, 66.7982**, and if you desaturate by 10%, it is **49.2786, 46.8616, 69.3993**.

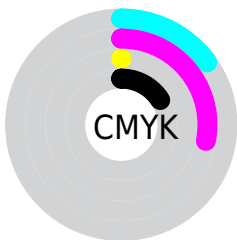
Distribution



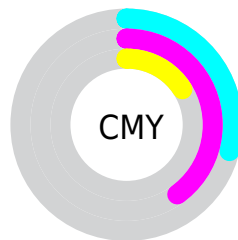
- Red (71%)
- Green (60%)
- Blue (84%)



- Red (71%)
- Yellow (60%)
- Blue (84%)



- Cyan (15%)
- Magenta (28%)
- Yellow (0%)
- Black (16%)



- Cyan (29%)
- Magenta (40%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.6219, 37.7391, 67.9887 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 42.6219, 37.7391, 67.9887 by changing the saturation by 10% instead.

■ 42.6219, 37.7391,
67.9887

■ 42.6219, 37.7391,
67.9887

348.0024,
336.4995, 472.0530

■ 29.7818, 25.7803,
49.4219

■ 78.3993, 71.7081,
117.9900

■ 19.8203, 16.6593,
34.5863

■ 102.0672, 94.4870,
150.2617

■ 12.3720, 9.9919,
23.0634

130.0752,
121.6414, 187.9387

■ 7.0715, 5.3936,
14.4346

162.7885,
153.5557, 231.4396

■ 3.5536, 2.4800,
8.2814

200.5725,
190.6142, 281.1829

■ 1.4528, 0.8666,
4.1852

243.7926,

■ 0.2934, 0.0000,

233.2014, 337.5872

1.7275

292.8142,
281.7017, 401.0710

■ 0.0000, 0.0000,
0.3794

■ 0.0000, 0.0000,
0.0000

■ 42.6219, 37.7391,
67.9887

■ 42.6219, 37.7391,
67.9887

■ 36.8161, 29.9830,
66.7982

■ 49.2786, 46.8616,
69.3993

■ 31.8191, 23.5199,
65.8141

■ 56.8182, 57.4097,
71.0379

■ 27.5905, 18.2765,
65.0249

■ 65.2756, 69.4446,
72.9151

■ 24.0844, 14.1698,
64.4170

■ 74.6826, 83.0225,
75.0401

■ 21.2496, 11.1062,
63.9751

■ 83.2880, 94.6342,
76.8278

■ 19.0264, 8.9761,
63.6811

■ 87.3090, 96.7071,
77.0160

■ 17.3338, 7.6275,
63.5100

■ 89.0103, 97.5841,
77.0956

■ 16.9906, 7.3716,
63.4787

Harmonies

Analogous

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



37.4746, 37.7391, 76.8842



42.6219, 37.7391, 67.9887



46.1716, 37.7391, 52.3845

Triad

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



42.6219, 37.7391, 67.9887



39.6223, 37.7391, 19.5379



26.7733, 37.7391, 45.7889

Complementary

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



42.6219, 37.7391, 67.9887



49.8779, 60.3616, 39.5957

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.



27.2272, 37.7391, 31.5506



42.6219, 37.7391, 67.9887



34.3116, 37.7391, 18.5964

Square

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



42.6219, 37.7391, 67.9887



44.3255, 37.7391, 25.4195



29.8715, 37.7391, 22.4289



28.5644, 37.7391, 62.1592

Rectangle

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



42.6219, 37.7391, 67.9887



46.9705, 37.7391, 41.6048



29.8715, 37.7391, 22.4289



26.6724, 37.7391, 40.5824

Sweetspot

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



42.6231, 37.7407, 67.9895



84.9297, 85.6294, 106.6596



42.9919, 46.9832, 69.7541



17.7928, 17.7849, 22.7450



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.



42.6231, 37.7407, 67.9895



58.9806, 49.8968, 101.1302



50.1595, 41.6258, 68.3422



12.2771, 12.2843, 15.6615



10.4934, 4.5620, 38.7807



0.7277, 0.3240, 2.3435

Inverse Universe

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



47.8603, 40.8041, 51.8094



68.2329, 55.3125, 72.3795



43.5232, 57.0856, 39.2983



12.7021, 12.5324, 14.3717



18.7230, 9.4255, 11.1111



1.1708, 0.5851, 0.8890

Previews

White Background



This preview shows how the XYZ color 42.6219, 37.7391, 67.9887 looks on a white background.

Color Contrast Check

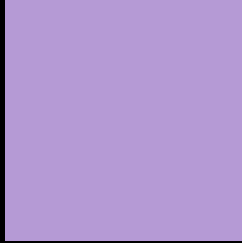
Large Text (above 18pt) WCAG AA × Fail

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 42.6219, 37.7391, 67.9887 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

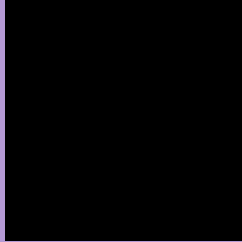
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.6219, 37.7391, 67.9887

Background



This preview shows how black text looks on a background with the XYZ color 42.6219, 37.7391, 67.9887.



This preview shows how white text looks on a background with the XYZ color 42.6219, 37.7391,

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

42.6219, 37.7391, 67.9887

Protanopia

38.5931, 37.8457, 72.9810

Deuteranopia

38.5828, 37.7119, 66.8736



Tritanopia

38.0640, 37.6597, 45.3073

Trichromacy



Original Color

42.6219, 37.7391, 67.9887

Protanomaly

39.7931, 37.7284, 70.8306

Deuteranomaly

40.0077, 37.6567, 67.4472

Tritanomaly

39.4354, 37.4317, 52.7235

Monochromacy



Original Color

42.6219, 37.7391, 67.9887

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

39.2660, 38.9379, 51.3452

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6219, 37.7391, 67.9887 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(181, 154, 213)` looks like.

```
.text, #text, p{  
    color:rgb(181, 154, 213)  
}
```

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(181, 154, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 154, 213) }
```

Border

The CSS property to change the border of an element to XYZ 42.6219, 37.7391, 67.9887 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(181, 154, 213) }
```


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

```
.border{ border-color:rgb(181, 154, 213) }
```

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

Here you see how a box with a 4 pixel rgb(181, 154, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 154, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 154, 213);  
box-shadow:4px 4px 4px 4px rgb(181, 154,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6219, 37.7391, 67.9887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 154, 213) }
```

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

```
.background{ background-color: rgb(181,  
154, 213) }
```

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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