

Converting Colors

XYZ(42.8111, 39.8475, 75.5541)

Have a look what the booklet for
XYZ(42.8111, 39.8475, 75.5541)
contains.

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Color

**XYZ(42.7787, 39.9571,
75.2699)**

Conversions

Conversions Part 1

Format	Color
Hex	A9A3DF
RGB	169, 163, 223
RGB Percent	66%, 64%, 87%
CMY	0.3372, 0.3608, 0.1255
CMYK	0.24, 0.27, 0.00, 0.13
HSL	246°, 48%, 76%
HSV	246°, 27%, 87%
XYZ	42.7787, 39.9571, 75.2699
YIQ	171.6340, -15.6840, 19.9320

Conversions

Conversions Part 2

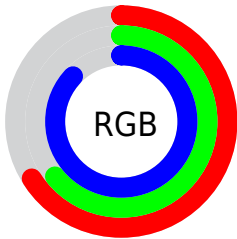
Format	Color
R _{YB}	169, 163, 223
Decimal	11117535
CIE Lab	69.44, 14.91, -29.53
CIE LCh	69, 33.081, 296.781
Yxy	39.9571, 0.2707, 0.2529
Android (android.graphics.Color)	4289307615 (0xFFA9A3DF)
YUV	171.6340, 25.3234, -2.3100
Hunter-Lab	63.2116, 10.1802, -26.3520

Details

The XYZ color **42.7787, 39.9571, 75.2699** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **61.6148, 70.1723, 44.9491**, and the grayscale version is **38.9108, 40.9372, 44.5806**.

A 20% lighter version of the original color is **74.1727, 73.3704, 104.8603**, and **19.9548, 17.9090, 39.4508** is the 20% darker color. If you saturate the color by 10%, you get **35.1828, 30.6734, 73.8790**, and if you desaturate by 10%, it is **51.7363, 50.9810, 76.9263**.

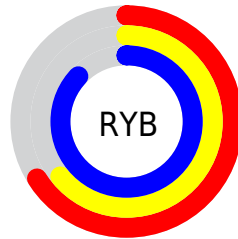
Distribution



Red (66%)

Green (64%)

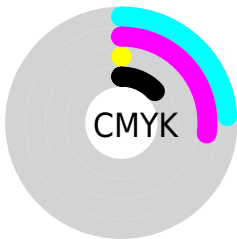
Blue (87%)



Red (66%)

Yellow (64%)

Blue (87%)

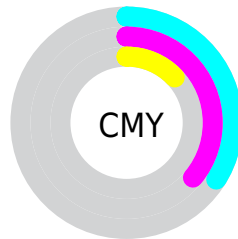


Cyan (24%)

Magenta (27%)

Yellow (0%)

Black (13%)



Cyan (34%)

Magenta (36%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7787, 39.9571, 75.2699 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 42.7787, 39.9571, 75.2699 by changing the saturation by 10% instead.

■ 42.7787, 39.9571,
75.2699

■ 42.7787, 39.9571,
75.2699

348.6378,
345.9427, 498.1249

■ 29.9053, 27.5051,
55.3310

■ 78.6346, 75.0982,
128.4450

■ 19.9144, 17.9529,
39.2664

■ 102.3478, 98.5561,
162.5182

■ 12.4408, 10.9162,
26.6576

130.4050,
126.4513, 202.1399

■ 7.1189, 6.0105,
17.0861

163.1715,
159.1684, 247.7286

■ 3.5836, 2.8515,
10.1333

201.0126,
197.0917, 299.7030

■ 1.4694, 1.0547,
5.3807

244.2939,

■ 0.3048, 0.0000,

240.6056, 358.4814

2.4097

293.3805,
290.0945, 424.4825

■ 0.0000, 0.0000,
0.7917

■ 0.0000, 0.0000,
0.0000

■ 42.7787, 39.9571,
75.2699

■ 42.7787, 39.9571,
75.2699

■ 35.1828, 30.6734,
73.8790

■ 51.7363, 50.9810,
76.9263

■ 28.8778, 23.0362,
72.7372

■ 62.1138, 63.8227,
78.8580

■ 23.7929, 16.9504,
71.8305

■ 73.9707, 78.5610,
81.0779

■ 19.8483, 12.3092,
71.1426

■ 87.3620, 95.2686,
83.5970

■ 16.9550, 8.9921,
70.6548

■ 90.3194, 98.1078,
83.9891

■ 15.0103, 6.8591,
70.3456

■ 13.8873, 5.7318,
70.1872

■ 13.6569, 5.5018,
70.1549

Harmonies

Analogous

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



37.4062, 39.9571, 79.8232



42.7787, 39.9571, 75.2699



47.1996, 39.9571, 61.6207

Triad

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



42.7787, 39.9571, 75.2699



43.8653, 39.9571, 23.3038



28.6487, 39.9571, 41.8813

Complementary

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



42.7787, 39.9571, 75.2699



61.6148, 70.1723, 44.9491

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.



30.0433, 39.9571, 29.3434



42.7787, 39.9571, 75.2699



38.5556, 39.9571, 20.3131

Square

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



42.7787, 39.9571, 75.2699



47.8670, 39.9571, 31.5908



33.5507, 39.9571, 22.2351



29.5544, 39.9571, 58.0950

Rectangle

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



42.7787, 39.9571, 75.2699



48.8380, 39.9571, 50.5591



33.5507, 39.9571, 22.2351



28.8606, 39.9571, 37.1422

Sweetspot

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



42.7800, 39.9587, 75.2708



82.4489, 84.3505, 106.5435



53.4961, 63.2581, 79.2033



17.1715, 17.4646, 22.7159



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.



42.7800, 39.9587, 75.2708



52.2579, 47.1523, 100.9548



49.7065, 43.5294, 75.5950



13.0786, 13.3085, 17.2672



8.0735, 3.2573, 41.2516



0.6035, 0.2484, 2.8614

Inverse Universe

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



56.0541, 46.8936, 71.7437



73.0243, 58.0063, 95.2141



53.7387, 66.1120, 44.5805



14.2329, 13.9108, 16.9964



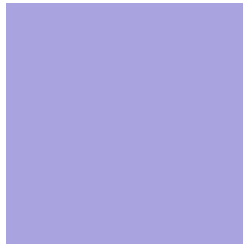
24.0954, 11.7052, 33.4979



1.6875, 0.8183, 2.4131

Previews

White Background



This preview shows how the XYZ color 42.7787, 39.9571, 75.2699 looks on a white background.

Color Contrast Check

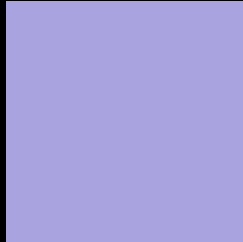
Large Text (above 18pt) WCAG AA × Fail

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 42.7787, 39.9571, 75.2699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

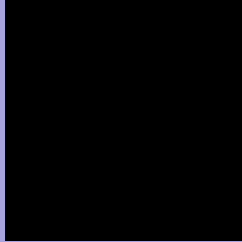
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.7787, 39.9571, 75.2699

Background



This preview shows how black text looks on a background with the XYZ color 42.7787, 39.9571, 75.2699.



This preview shows how white text looks on a background with the XYZ color 42.7787, 39.9571,

75.2699.

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

42.7787, 39.9571, 75.2699

Protanopia

40.6831, 39.9007, 77.5089

Deuteranopia

40.9082, 40.0795, 74.6873



Tritanopia

37.9267, 39.8915, 51.0483

Trichromacy



Original Color

42.7787, 39.9571, 75.2699

Protanomaly

41.5249, 40.0796, 76.7817

Deuteranomaly

41.5190, 40.1234, 74.6636

Tritanomaly

39.5288, 39.7140, 59.0083

Monochromacy



Original Color

42.7787, 39.9571, 75.2699

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

40.3865, 40.7954, 55.0359

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7787, 39.9571, 75.2699 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(169, 163, 223)` looks like.

```
.text, #text, p{  
    color:rgb(169, 163, 223)  
}
```

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(169, 163, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 163, 223) }
```

Border

The CSS property to change the border of an element to XYZ 42.7787, 39.9571, 75.2699 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(169, 163, 223) }
```


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

```
.border{ border-color:rgb(169, 163, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 163, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 163, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 163, 223);  
box-shadow:4px 4px 4px 4px rgb(169, 163,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7787, 39.9571, 75.2699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 163, 223) }
```

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

```
.background{ background-color: rgb(169,  
163, 223) }
```

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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