

# Converting Colors

XYZ(42.0535, 39.4067, 75.4252)

Have a look what the booklet for  
XYZ(42.0535, 39.4067, 75.4252)  
contains.

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# Color

**XYZ(41.9655, 39.2754,  
75.1811)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A6A2DF
RGB	166, 162, 223
RGB Percent	65%, 64%, 87%
CMY	0.3490, 0.3647, 0.1255
CMYK	0.26, 0.27, 0.00, 0.13
HSL	244°, 49%, 75%
HSV	244°, 27%, 87%
XYZ	41.9655, 39.2754, 75.1811
YIQ	170.1500, -17.1970, 19.8190

# Conversions

## Conversions Part 2

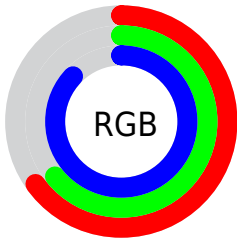
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	166, 162, 223
Decimal	10920671
CIE Lab	68.95, 14.57, -30.31
CIE LCh	69, 33.626, 295.675
Yxy	39.2754, 0.2683, 0.2511
Android (android.graphics.Color)	4289110751 (0xFFA6A2DF)
YUV	170.1500, 26.0550, -3.6396
Hunter-Lab	62.6701, 9.8555, -27.2572

# Details

The XYZ color **41.9655, 39.2754, 75.1811** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **62.1238, 70.4449, 44.5070**, and the grayscale version is **38.1647, 40.1522, 43.7257**.

A 20% lighter version of the original color is **72.9871, 72.3753, 104.7307**, and **19.4539, 17.4897, 39.3963** is the 20% darker color. If you saturate the color by 10%, you get **34.3603, 30.0321, 73.7985**, and if you desaturate by 10%, it is **50.9776, 50.2798, 76.8308**.

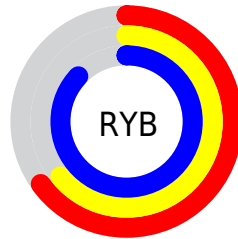
# Distribution



Red (65%)

Green (64%)

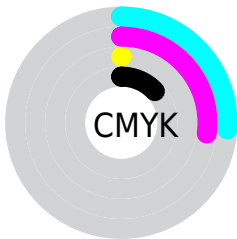
Blue (87%)



Red (65%)

Yellow (64%)

Blue (87%)

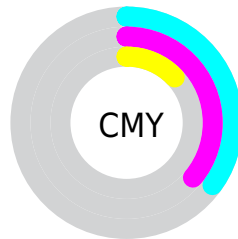


Cyan (26%)

Magenta (27%)

Yellow (0%)

Black (13%)



Cyan (35%)

Magenta (36%)

Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.9655, 39.2754, 75.1811 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 41.9655, 39.2754, 75.1811 by changing the saturation by 10% instead.



■ 41.9655, 39.2754,  
75.1811

■ 41.9655, 39.2754,  
75.1811

345.3340,  
343.0600, 497.8118

■ 29.2653, 26.9740,  
55.2586

■ 77.4129, 74.0588,  
128.3181

■ 19.4269, 17.5537,  
39.2088

■ 100.8908, 97.3097,  
162.3698

■ 12.0850, 10.6301,  
26.6132

128.6919,  
124.9792, 201.9683

■ 6.8742, 5.8187,  
17.0530

161.1817,  
157.4517, 247.5321

■ 3.4292, 2.7351,  
10.1100

198.7254,  
195.1117, 299.4798

■ 1.3846, 0.9951,  
5.3654

241.6885,

■ 0.2452, 0.0000,

238.3434, 358.2300

2.4007

290.4362,  
287.5314, 424.2012

■ 0.0000, 0.0000,  
0.7868

■ 0.0000, 0.0000,  
0.0000

■ 41.9655, 39.2754,  
75.1811

■ 41.9655, 39.2754,  
75.1811

■ 34.3603, 30.0321,  
73.7985

■ 50.9776, 50.2798,  
76.8308

■ 28.0873, 22.4540,  
72.6664

■ 61.4585, 63.1250,  
78.7578

■ 23.0706, 16.4433,  
71.7706

■ 73.4712, 77.8918,  
80.9750

■ 19.2256, 11.8902,  
71.0944

■ 87.0739, 94.6546,  
83.4936

■ 16.4565, 8.6703,  
70.6189

■ 90.3194, 98.1078,  
83.9890

■ 14.6529, 6.6388,  
70.3218

■ 13.6747, 5.6061,  
70.1740

■ 13.5103, 5.4262,  
70.1480

# Harmonies

## Analogous

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



36.5598, 39.2754, 79.3703



41.9655, 39.2754, 75.1811



46.4838, 39.2754, 61.6156

# Triad

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



41.9655, 39.2754, 75.1811



43.4348, 39.2754, 22.7605



27.9855, 39.2754, 40.5811

# Complementary

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



41.9655, 39.2754, 75.1811



62.1238, 70.4449, 44.5070

# 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.



29.4647, 39.2754, 28.2130



41.9655, 39.2754, 75.1811



38.1111, 39.2754, 19.6051

# Square

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



41.9655, 39.2754, 75.1811



47.3873, 39.2754, 31.2304



33.0492, 39.2754, 21.3326



28.8072, 39.2754, 56.8366



# Rectangle

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



41.9655, 39.2754, 75.1811



48.2075, 39.2754, 50.4736



33.0492, 39.2754, 21.3326



28.2259, 39.2754, 35.8828

# Sweetspot

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



41.9668, 39.2770, 75.1820



82.2152, 84.2300, 106.5326



53.8008, 64.1702, 79.3632



17.1132, 17.4346, 22.7132



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.



41.9668, 39.2770, 75.1820



50.5722, 45.5621, 100.7367



48.8890, 42.8455, 75.5060



13.0348, 13.2860, 17.2651



7.9767, 3.2075, 41.2470



0.5826, 0.2376, 2.8604



# Inverse Universe

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



56.1391, 46.6446, 73.0635



72.9489, 57.1989, 97.2137



54.0085, 66.2614, 44.1273



14.2542, 13.9193, 17.1088



24.6315, 11.9196, 36.3210

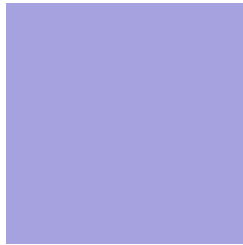


1.7192, 0.8310, 2.5801



# Previews

## White Background



This preview shows how the XYZ color 41.9655, 39.2754, 75.1811 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

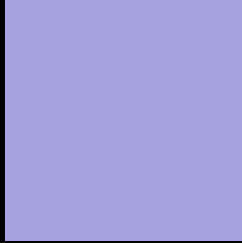
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.9655, 39.2754, 75.1811 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

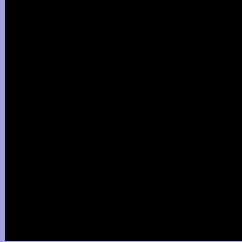
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 41.9655, 39.2754, 75.1811

## Background



This preview shows how black text looks on a background with the XYZ color 41.9655, 39.2754, 75.1811.



This preview shows how white text looks on a background with the XYZ color 41.9655, 39.2754,



# 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

41.9655, 39.2754, 75.1811

### Protanopia

40.1262, 39.3427, 77.4305

### Deuteranopia

40.3386, 39.5149, 74.6083



## Tritanopia

37.0225, 39.4374, 50.4606

# Trichromacy



## Original Color

41.9655, 39.2754, 75.1811

## Protanomaly

40.7560, 39.4144, 76.6938

## Deuteranomaly

40.9380, 39.5551, 74.5845

## Tritanomaly

38.7097, 39.2917, 58.9699

# Monochromacy



## Original Color

41.9655, 39.2754, 75.1811

## Achromatopsia

38.2080, 40.1978, 43.7754

## Achromatomaly

39.3662, 39.7466, 53.7411

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.9655, 39.2754, 75.1811 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(166, 162, 223)` looks like.

```
.text, #text, p{  
    color:rgb(166, 162, 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(166, 162, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 162, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 41.9655, 39.2754, 75.1811 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(166, 162, 223) }
```



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

```
.border{ border-color:rgb(166, 162, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 162, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 162, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 162, 223);  
box-shadow:4px 4px 4px 4px rgb(166, 162,  
223) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.9655, 39.2754, 75.1811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 162, 223) }
```

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

```
.background{ background-color: rgb(166,  
162, 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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