

Converting Colors

XYZ(42.6998, 39.4363, 69.1138)

Have a look what the booklet for
XYZ(42.6998, 39.4363, 69.1138)
contains.

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Color

**XYZ(42.7870, 39.5749,
69.0019)**

Conversions

Conversions Part 1

Format	Color
Hex	B0A1D6
RGB	176, 161, 214
RGB Percent	69%, 63%, 84%
CMY	0.3098, 0.3686, 0.1608
CMYK	0.18, 0.25, 0.00, 0.16
HSL	257°, 39%, 74%
HSV	257°, 25%, 84%
XYZ	42.7870, 39.5749, 69.0019
YIQ	171.5270, -8.0730, 19.6630

Conversions

Conversions Part 2

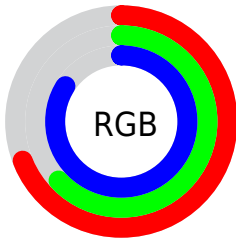
Format	Color
R _Y B	176, 161, 214
Decimal	11575766
CIE Lab	69.17, 16.11, -24.95
CIE LCh	69, 29.700, 302.845
Yxy	39.5749, 0.2827, 0.2615
Android (android.graphics.Color)	4289765846 (0xFFB0A1D6)
YUV	171.5270, 20.9392, 3.9228
Hunter-Lab	62.9086, 11.3160, -20.9968

Details

The XYZ color **42.7870, 39.5749, 69.0019** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **54.0340, 62.8094, 42.9955**, and the grayscale version is **38.8756, 40.9002, 44.5403**.

A 20% lighter version of the original color is **75.8846, 73.4875, 104.7927**, and **19.8950, 17.6514, 35.1594** is the 20% darker color. If you saturate the color by 10%, you get **36.0872, 31.0373, 67.7077**, and if you desaturate by 10%, it is **50.5215, 49.5979, 70.5295**.

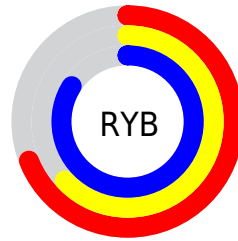
Distribution



Red (69%)

Green (63%)

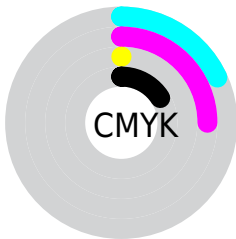
Blue (84%)



Red (69%)

Yellow (63%)

Blue (84%)

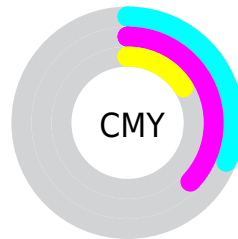


Cyan (18%)

Magenta (25%)

Yellow (0%)

Black (16%)



Cyan (31%)

Magenta (37%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7870, 39.5749, 69.0019 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 42.7870, 39.5749, 69.0019 by changing the saturation by 10% instead.

■ 42.7870, 39.5749,
69.0019

■ 42.7870, 39.5749,
69.0019

348.6715,
344.3286, 475.7318

■ 29.9118, 27.2073,
50.2415

■ 78.6471, 74.5158,
119.4520

■ 19.9194, 17.7289,
35.2328

■ 102.3626, 97.8577,
151.9788

■ 12.4444, 10.7556,
23.5573

130.4224,
125.6267, 189.9315

■ 7.1214, 5.9027,
14.7964

163.1917,
158.2069, 233.7285

■ 3.5852, 2.7860,
8.5316

201.0359,
195.9828, 283.7886

■ 1.4702, 1.0211,
4.3443

244.3204,

■ 0.3054, 0.0000,

239.3387, 340.5301

1.8161

293.4104,
288.6592, 404.3717

■ 0.0000, 0.0000,
0.4385

■ 0.0000, 0.0000,
0.0000

■ 42.7870, 39.5749,
69.0019

■ 42.7870, 39.5749,
69.0019

■ 36.0872, 31.0373,
67.7077

■ 50.5215, 49.5979,
70.5295

■ 30.3728, 23.9084,
66.6329

■ 59.3295, 61.1684,
72.2986

■ 25.5958, 18.1118,
65.7658

■ 69.2526, 74.3508,
74.3201

■ 21.7026, 13.5618,
65.0928

■ 80.3287, 89.2043,
76.6033

■ 18.6337, 10.1624,
64.5984

■ 88.3042, 97.2054,
77.7273

■ 16.3214, 7.8030,
64.2648

■ 89.1377, 97.6351,
77.7663

■ 14.6854, 6.3496,
64.0705

■ 14.0355, 5.8334,
64.0052

Harmonies

Analogous

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



38.0698, 39.5749, 74.8362



42.7870, 39.5749, 69.0019



46.3371, 39.5749, 56.1592

Triad

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



42.7870, 39.5749, 69.0019



41.9373, 39.5749, 23.7611



29.2132, 39.5749, 44.4014

Complementary

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



42.7870, 39.5749, 69.0019



54.0340, 62.8094, 42.9955

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.



30.0620, 39.5749, 32.2247



42.7870, 39.5749, 69.0019



37.1634, 39.5749, 21.8958

Square

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



42.7870, 39.5749, 69.0019



45.8183, 39.5749, 30.4077



32.8771, 39.5749, 24.6446



30.4540, 39.5749, 58.8845

Rectangle

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



42.7870, 39.5749, 69.0019



47.4202, 39.5749, 46.4296



32.8771, 39.5749, 24.6446



29.2638, 39.5749, 39.9151

Sweetspot

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



42.7883, 39.5765, 69.0028



85.0649, 86.7882, 106.8761



47.4602, 53.6801, 71.4788



18.0314, 18.3444, 22.8404



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.



42.7883, 39.5765, 69.0028



57.9296, 51.5602, 101.5066



49.1417, 42.8518, 69.3001



12.0694, 12.1772, 15.6518



8.5720, 3.5715, 38.6907



0.5979, 0.2571, 2.3374

Inverse Universe

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



50.7864, 43.9110, 59.8332



72.0181, 59.2033, 84.9847



47.7956, 59.5934, 42.7035



12.7962, 12.5700, 14.8669



20.3057, 10.0586, 19.4459



1.2594, 0.6205, 1.3554

Previews

White Background



This preview shows how the XYZ color 42.7870, 39.5749, 69.0019 looks on a white background.

Color Contrast Check

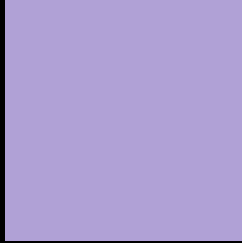
Large Text (above 18pt) WCAG AA × Fail

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 42.7870, 39.5749, 69.0019 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

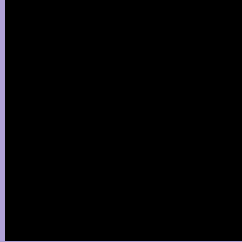
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.7870, 39.5749, 69.0019

Background



This preview shows how black text looks on a background with the XYZ color 42.7870, 39.5749, 69.0019.



This preview shows how white text looks on a background with the XYZ color 42.7870, 39.5749,

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

42.7870, 39.5749, 69.0019

Protanopia

39.9912, 39.6680, 71.8786

Deuteranopia

40.5468, 39.7579, 68.4878



Tritanopia

38.6345, 39.4788, 48.7639

Trichromacy



Original Color

42.7870, 39.5749, 69.0019

Protanomaly

41.0838, 39.7066, 71.1444

Deuteranomaly

41.2221, 39.5705, 68.4160

Tritanomaly

39.9828, 39.4867, 55.3835

Monochromacy



Original Color

42.7870, 39.5749, 69.0019

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

40.2059, 40.4774, 52.7075

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7870, 39.5749, 69.0019 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(176, 161, 214)` looks like.

```
.text, #text, p{  
    color:rgb(176, 161, 214)  
}
```

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(176, 161, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 161, 214) }
```

Border

The CSS property to change the border of an element to XYZ 42.7870, 39.5749, 69.0019 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(176, 161, 214) }
```


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

```
.border{ border-color:rgb(176, 161, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 161, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 161, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 161, 214);  
box-shadow:4px 4px 4px 4px rgb(176, 161,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7870, 39.5749, 69.0019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 161, 214) }
```

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

```
.background{ background-color: rgb(176,  
161, 214) }
```

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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