

Converting Colors

XYZ(42.7969, 35.0199, 68.1222)

Have a look what the booklet for
XYZ(42.7969, 35.0199, 68.1222)
contains.

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Color

**XYZ(42.7969, 35.0199,
68.1222)**

Conversions

Conversions Part 1

Format	Color
Hex	BD8ED6
RGB	189, 142, 214
RGB Percent	74%, 56%, 84%
CMY	0.2588, 0.4431, 0.1608
CMYK	0.12, 0.34, 0.00, 0.16
HSL	279°, 47%, 70%
HSV	279°, 34%, 84%
XYZ	42.7969, 35.0199, 68.1222
YIQ	164.2610, 4.9000, 32.3560

Conversions

Conversions Part 2

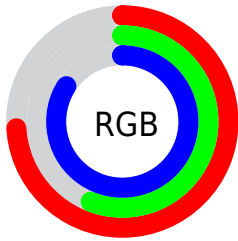
Format	Color
RYB	189, 142, 214
Decimal	12422870
CIELab	65.76, 30.80, -30.08
CIELCh	66, 43.054, 315.674
Yxy	35.0199, 0.2933, 0.2400
Android (android.graphics.Color)	4290612950 (0xFFBD8ED6)
YUV	164.2610, 24.5213, 21.6961
Hunter-Lab	59.1776, 25.5293, -26.8272

Details

The XYZ color **42.7969, 35.0199, 68.1222** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **44.8665, 58.2625, 34.4739**, and the grayscale version is **35.2971, 37.1353, 40.4404**.

A 20% lighter version of the original color is **75.7960, 66.2927, 103.4086**, and **19.9908, 15.1363, 34.6689** is the 20% darker color. If you saturate the color by 10%, you get **38.1174, 28.3267, 67.0775**, and if you desaturate by 10%, it is **48.1844, 42.9871, 69.3766**.

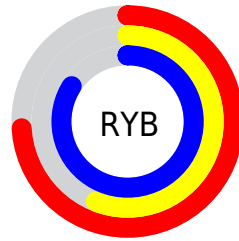
Distribution



Red (74%)

Green (56%)

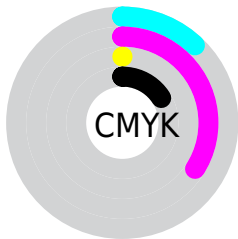
Blue (84%)



Red (74%)

Yellow (56%)

Blue (84%)

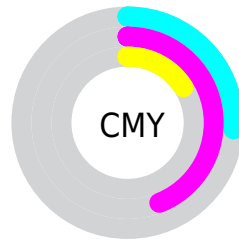


Cyan (12%)

Magenta (34%)

Yellow (0%)

Black (16%)



Cyan (26%)

Magenta (44%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7969, 35.0199, 68.1222 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 42.7969, 35.0199, 68.1222 by changing the saturation by 10% instead.

42.7969, 35.0199,
68.1222

42.7969, 35.0199,
68.1222

348.7115,
324.6562, 472.5387

29.9196, 23.6782,
49.5298

78.6619, 67.5166,
118.1828

19.9254, 15.0951,
34.6714

102.3804, 89.4404,
150.4881

12.4487, 8.8861,
23.1283

130.4432,
115.6603, 188.2016

7.1244, 4.6670,
14.4821

163.2159,
146.5608, 231.7416

3.5871, 2.0532,
8.3142

201.0637,
182.5263, 281.5268

1.4713, 0.6381,
4.2060

244.3520,

0.3062, 0.0000,

223.9410, 337.9757

1.7390

293.4462,
271.1895, 401.5068

■ 0.0000, 0.0000,
0.3873

■ 0.0000, 0.0000,
0.0000

■ 42.7969, 35.0199,
68.1222

■ 42.7969, 35.0199,
68.1222

■ 38.1174, 28.3267,
67.0775

■ 48.1844, 42.9871,
69.3766

■ 34.1058, 22.8323,
66.2284

■ 54.3101, 52.2892,
70.8492

■ 30.7234, 18.4600,
65.5627

■ 61.2064, 62.9885,
72.5509

■ 27.9251, 15.1223,
65.0659

■ 68.9029, 75.1418,
74.4911

■ 25.6595, 12.7182,
64.7213

■ 77.4274, 88.8030,
76.6787

■ 23.8643, 11.1256,
64.5086

■ 81.6934, 93.7974,
77.4179

■ 22.9016, 10.4041,
64.4200

■ 84.1788, 95.0787,
77.5342

■ 86.7676, 96.4133,
77.6554

■ 89.1377, 97.6351,
77.7663

Harmonies

Analogous

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



36.6910, 35.0199, 82.6285



42.7969, 35.0199, 68.1222



46.5590, 35.0199, 47.4451

Triad

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



42.7969, 35.0199, 68.1222



36.3960, 35.0199, 13.3094



22.8675, 35.0199, 48.3693

Complementary

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



42.7969, 35.0199, 68.1222



44.8665, 58.2625, 34.4739

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.



22.8098, 35.0199, 30.1229



42.7969, 35.0199, 68.1222



30.0973, 35.0199, 13.4151

Square

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



42.7969, 35.0199, 68.1222



42.5574, 35.0199, 18.2009



25.2991, 35.0199, 18.5581



25.4685, 35.0199, 68.9813

Rectangle

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



42.7969, 35.0199, 68.1222



46.9598, 35.0199, 34.7800



25.2991, 35.0199, 18.5581



22.5623, 35.0199, 41.6901

Sweetspot

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



42.7981, 35.0214, 68.1230



84.2651, 83.1549, 106.2170



37.1497, 38.3181, 69.0570



17.7323, 17.3292, 22.6602



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.



42.7981, 35.0214, 68.1230



58.8305, 45.1532, 100.2225



48.2089, 37.9649, 61.4128



12.5150, 12.4069, 15.6727



13.9585, 6.3484, 38.9428



0.9296, 0.4281, 2.3529

Inverse Universe

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



44.3807, 36.4336, 41.2539



61.7533, 47.6913, 53.7634



40.9364, 56.1381, 38.7302



12.5995, 12.4913, 13.8312



17.5597, 8.9602, 4.9857



1.0976, 0.5558, 0.5033

Previews

White Background



This preview shows how the XYZ color 42.7969, 35.0199, 68.1222 looks on a white background.

Color Contrast Check

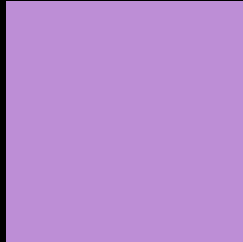
Large Text (above 18pt) WCAG AA × Fail

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 42.7969, 35.0199, 68.1222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

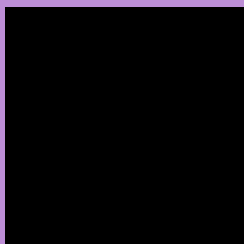
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.7969, 35.0199, 68.1222

Background



This preview shows how black text looks on a background with the XYZ color 42.7969, 35.0199, 68.1222.



This preview shows how white text looks on a background with the XYZ color 42.7969, 35.0199,

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

42.7969, 35.0199, 68.1222

Protanopia

36.6018, 35.4337, 76.8618

Deuteranopia

36.0276, 35.1130, 66.5066



Tritanopia

36.9851, 34.9606, 39.9207

Trichromacy



Original Color

42.7969, 35.0199, 68.1222

Protanomaly

38.3177, 34.8985, 73.8238

Deuteranomaly

38.2162, 34.9965, 67.0281

Tritanomaly

38.8006, 34.7476, 48.9179

Monochromacy



Original Color

42.7969, 35.0199, 68.1222

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

37.5655, 36.0386, 49.2322

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7969, 35.0199, 68.1222 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(189, 142, 214)` looks like.

```
.text, #text, p{  
    color:rgb(189, 142, 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(189, 142, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 142, 214) }
```

Border

The CSS property to change the border of an element to XYZ 42.7969, 35.0199, 68.1222 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(189, 142, 214) }
```


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

```
.border{ border-color:rgb(189, 142, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 142, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 142, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 142, 214);  
box-shadow:4px 4px 4px 4px rgb(189, 142,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7969, 35.0199, 68.1222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 142, 214) }
```

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

```
.background{ background-color: rgb(189,  
142, 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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