

Converting Colors

XYZ(42.9769, 42.9213, 68.6281)

Have a look what the booklet for
XYZ(42.9769, 42.9213, 68.6281)
contains.

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Color

**XYZ(42.9757, 42.9654,
68.3155)**

Conversions

Conversions Part 1

Format	Color
Hex	A8ADD4
RGB	168, 173, 212
RGB Percent	66%, 68%, 83%
CMY	0.3412, 0.3216, 0.1686
CMYK	0.21, 0.18, 0.00, 0.17
HSL	233°, 34%, 75%
HSV	233°, 21%, 83%
XYZ	42.9757, 42.9654, 68.3155
YIQ	175.9510, -15.4990, 11.0690

Conversions

Conversions Part 2

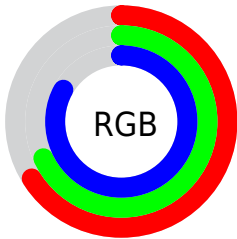
Format	Color
RYB	168, 172, 212
Decimal	11054548
CIELab	71.53, 6.47, -20.30
CIELCh	72, 21.309, 287.686
Yxy	42.9654, 0.2786, 0.2785
Android (android.graphics.Color)	4289244628 (0xFFA8ADD4)
YUV	175.9510, 17.7722, -6.9730
Hunter-Lab	65.5480, 2.3222, -15.9097

Details

The XYZ color **42.9757, 42.9654, 68.3155** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **56.5327, 61.4501, 45.9285**, and the grayscale version is **41.1585, 43.3019, 47.1558**.

A 20% lighter version of the original color is **76.5339, 78.5541, 105.7364**, and **19.9934, 19.7539, 34.6574** is the 20% darker color. If you saturate the color by 10%, you get **35.4718, 34.1200, 67.0044**, and if you desaturate by 10%, it is **51.7248, 53.2071, 69.8319**.

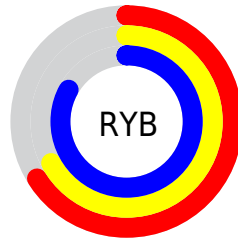
Distribution



Red (66%)

Green (68%)

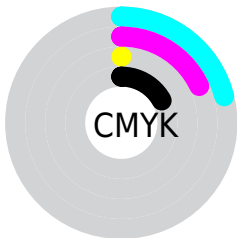
Blue (83%)



Red (66%)

Yellow (67%)

Blue (83%)

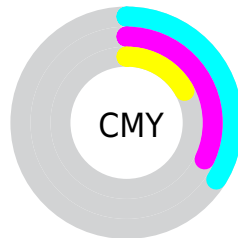


Cyan (21%)

Magenta (18%)

Yellow (0%)

Black (17%)



Cyan (34%)

Magenta (32%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.9757, 42.9654, 68.3155 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 42.9757, 42.9654, 68.3155 by changing the saturation by 10% instead.

■ 42.9757, 42.9654,
68.3155

■ 42.9757, 42.9654,
68.3155

349.4350,
358.4695, 473.2414

■ 30.0605, 29.8580,
49.6862

■ 78.9301, 79.6586,
118.4619

■ 20.0328, 19.7308,
34.7947

■ 102.7001,
104.0132, 150.8159

■ 12.5273, 12.1995,
23.2225

130.8189,
132.8857, 188.5820

■ 7.1786, 6.8797,
14.5510

163.6521,
166.6604, 232.1787

■ 3.6214, 3.3870,
8.3618

201.5650,
205.7217, 282.0244

■ 1.4902, 1.3369,
4.2362

244.9228,

■ 0.3192, 0.1695,

250.4541, 338.5377

1.7558

294.0911,
301.2419, 402.1372

■ 0.0000, 0.0000,
0.3986

■ 0.0000, 0.0000,
0.0000

■ 42.9757, 42.9654,
68.3155

■ 42.9757, 42.9654,
68.3155

■ 35.4718, 34.1200,
67.0044

■ 51.7248, 53.2071,
69.8319

■ 29.1525, 26.6051,
65.8869

■ 61.7681, 64.8966,
71.5589

■ 23.9581, 20.3578,
64.9548

■ 73.1569, 78.0892,
73.5051

■ 19.8219, 15.3075,
64.1980

■ 85.9383, 92.8356,
75.6778

■ 16.6702, 11.3771,
63.6055

■ 88.8838, 97.5335,
76.4293

■ 14.4200, 8.4800,
63.1649

■ 12.9736, 6.5167,
62.8622

■ 12.2125, 5.4108,
62.6888

Harmonies

Analogous

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



39.3794, 42.9654, 68.9361



42.9757, 42.9654, 68.3155



46.1706, 42.9654, 61.4305

Triad

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



42.9757, 42.9654, 68.3155



45.6747, 42.9654, 33.6051



34.4433, 42.9654, 42.6818

Complementary

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



42.9757, 42.9654, 68.3155



56.5327, 61.4501, 45.9285

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.



35.9314, 42.9654, 34.6696



42.9757, 42.9654, 68.3155



42.3308, 42.9654, 29.9694

Square

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



42.9757, 42.9654, 68.3155



47.7907, 42.9654, 41.0163



38.7711, 42.9654, 30.3281



34.5934, 42.9654, 53.0642

Rectangle

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



42.9757, 42.9654, 68.3155



47.5788, 42.9654, 54.7165



38.7711, 42.9654, 30.3281



34.7648, 42.9654, 39.6542

Sweetspot

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



42.9770, 42.9671, 68.3165



85.4688, 88.8637, 107.2555



50.9391, 59.9112, 67.8261



18.0802, 18.7717, 22.9203



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.



42.9770, 42.9671, 68.3165



59.9065, 58.9442, 102.8277



45.8628, 43.0577, 68.1818



11.8551, 12.2337, 15.6740



7.5764, 3.4146, 38.7129



0.4960, 0.2840, 2.3480

Inverse Universe

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



48.6980, 45.0207, 45.6602



70.1758, 62.7309, 62.1362



53.1525, 61.5349, 46.1230



12.4801, 12.4435, 13.2024



16.8831, 8.6896, 1.4225



1.0380, 0.5320, 0.1895

Previews

White Background



This preview shows how the XYZ color 42.9757, 42.9654, 68.3155 looks on a white background.

Color Contrast Check

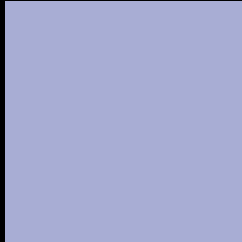
Large Text (above 18pt) WCAG AA × Fail

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 42.9757, 42.9654, 68.3155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

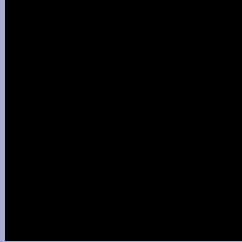
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.9757, 42.9654, 68.3155

Background



This preview shows how black text looks on a background with the XYZ color 42.9757, 42.9654, 68.3155.



This preview shows how white text looks on a background with the XYZ color 42.9757, 42.9654,

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

42.9757, 42.9654, 68.3155

Protanopia

42.5531, 42.7476, 68.2957

Deuteranopia

43.6802, 42.7635, 68.2393



Tritanopia

40.4360, 43.0984, 55.4778

Trichromacy



Original Color

42.9757, 42.9654, 68.3155

Protanomaly

42.7636, 42.8561, 68.3055

Deuteranomaly

43.4308, 42.9164, 68.2820

Tritanomaly

41.3512, 43.1735, 60.1867

Monochromacy



Original Color

42.9757, 42.9654, 68.3155

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

41.7489, 43.2183, 54.2857

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9757, 42.9654, 68.3155 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(168, 173, 212)` looks like.

```
.text, #text, p{  
    color:rgb(168, 173, 212)  
}
```

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(168, 173, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 173, 212) }
```

Border

The CSS property to change the border of an element to XYZ 42.9757, 42.9654, 68.3155 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(168, 173, 212) }
```


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

```
.border{ border-color:rgb(168, 173, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 173, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 173, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 173, 212);  
box-shadow:4px 4px 4px 4px rgb(168, 173,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9757, 42.9654, 68.3155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 173, 212) }
```

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

```
.background{ background-color: rgb(168,  
173, 212) }
```

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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