

Converting Colors

XYZ(42.5163, 35.6506, 87.7016)

Have a look what the booklet for
XYZ(42.5163, 35.6506, 87.7016)
contains.

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Color

**XYZ(42.4594, 35.5431,
87.8417)**

Conversions

Conversions Part 1

Format	Color
Hex	A893F1
RGB	168, 147, 241
RGB Percent	66%, 58%, 95%
CMY	0.3412, 0.4235, 0.0549
CMYK	0.30, 0.39, 0.00, 0.05
HSL	253°, 77%, 76%
HSV	253°, 39%, 95%
XYZ	42.4594, 35.5431, 87.8417
YIQ	163.9950, -17.6580, 33.6860

Conversions

Conversions Part 2

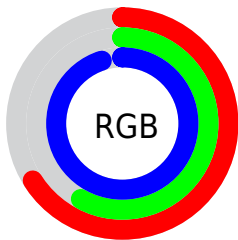
Format	Color
RYB	168, 147, 241
Decimal	11047921
CIELab	66.17, 28.04, -44.51
CIELCh	66, 52.610, 302.211
Yxy	35.5431, 0.2560, 0.2143
Android (android.graphics.Color)	4289238001 (0xFFA893F1)
YUV	163.9950, 37.9635, 3.5124
Hunter-Lab	59.6180, 22.7945, -45.6257

Details

The XYZ color **42.4594, 35.5431, 87.8417** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **66.2373, 80.2333, 39.6004**, and the grayscale version is **35.1165, 36.9453, 40.2334**.

A 20% lighter version of the original color is **69.9880, 65.0008, 103.4654**, and **19.6447, 15.3371, 47.2724** is the 20% darker color. If you saturate the color by 10%, you get **35.3953, 26.9094, 86.5482**, and if you desaturate by 10%, it is **50.8846, 46.0450, 89.4254**.

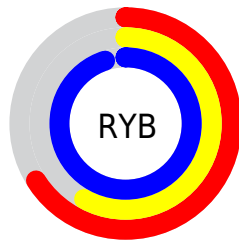
Distribution



Red (66%)

Green (58%)

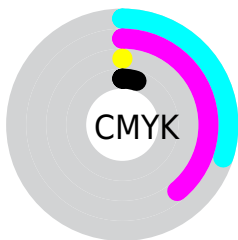
Blue (95%)



Red (66%)

Yellow (58%)

Blue (95%)

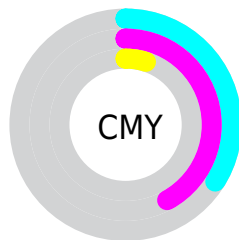


Cyan (30%)

Magenta (39%)

Yellow (0%)

Black (5%)



Cyan (34%)

Magenta (42%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4594, 35.5431, 87.8417 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 42.4594, 35.5431, 87.8417 by changing the saturation by 10% instead.

42.4594, 35.5431,
87.8417

42.4594, 35.5431,
87.8417

347.3431,
326.9591, 541.3726

29.6539, 24.0815,
65.6284

78.1552, 68.3263,
146.2460

19.7228, 15.3941,
47.5162

101.7763, 90.4167,
183.2740

12.3008, 9.0964,
33.0867

129.7332,
116.8188, 226.0773

7.0225, 4.8041,
21.9212

162.3913,
147.9170, 275.0745

3.5226, 2.1328,
13.6012

200.1160,
184.0958, 330.6841

1.4358, 0.6830,
7.7083

243.2726,

0.2815, 0.0000,

225.7394, 393.3246

3.8238

292.2265,
273.2324, 463.4146

■ 0.0000, 0.0000,
1.5292

■ 0.0000, 0.0000,
0.2395

■ 42.4594, 35.5431,
87.8417

■ 42.4594, 35.5431,
87.8417

■ 35.3953, 26.9094,
86.5482

■ 50.8846, 46.0450,
89.4254

■ 29.6145, 20.0285,
85.5247

■ 60.7349, 58.5132,
91.3128

■ 25.0371, 14.7782,
84.7526

■ 72.0751, 73.0436,
93.5197

■ 21.5723, 11.0185,
84.2095

■ 84.9647, 89.7245,
96.0601

■ 19.1148, 8.5850,
83.8693

■ 92.8773, 99.1309,
97.4587

■ 17.5181, 7.2355,
83.6930

■ 17.3903, 7.1309,
83.6795

Harmonies

Analogous

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



34.3668, 35.5431, 99.7478



42.4594, 35.5431, 87.8417



48.9277, 35.5431, 62.4823

Triad

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



42.4594, 35.5431, 87.8417



41.2986, 35.5431, 11.7166



20.8618, 35.5431, 40.3877

Complementary

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



42.4594, 35.5431, 87.8417



66.2373, 80.2333, 39.6004

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.



22.1379, 35.5431, 21.8788



42.4594, 35.5431, 87.8417



33.2052, 35.5431, 9.6273

Square

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



42.4594, 35.5431, 87.8417



48.1880, 35.5431, 19.9676



26.3767, 35.5431, 12.4826



22.5790, 35.5431, 66.5316

Rectangle

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



42.4594, 35.5431, 87.8417



51.0011, 35.5431, 44.8426



26.3767, 35.5431, 12.4826



20.9545, 35.5431, 33.1463

Sweetspot

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



42.4607, 35.5445, 87.8425



77.8447, 77.7749, 105.5169



53.6705, 64.0743, 92.7585



16.2941, 16.1750, 22.5133



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.



42.4607, 35.5445, 87.8425



41.6204, 32.2636, 98.6416



54.1505, 41.5708, 88.3896



15.2275, 15.3990, 19.8913



9.5251, 3.9158, 45.3817



0.8754, 0.3686, 3.7792

Inverse Universe

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



59.6283, 44.7365, 73.2022



63.9595, 44.2437, 78.7301



54.0967, 73.9746, 39.0322



16.2943, 15.9674, 19.1060



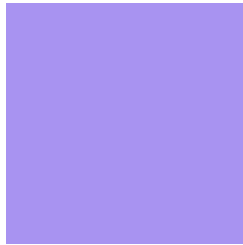
24.5976, 12.1115, 26.8614



2.0830, 1.0222, 2.4279

Previews

White Background



This preview shows how the XYZ color 42.4594, 35.5431, 87.8417 looks on a white background.

Color Contrast Check

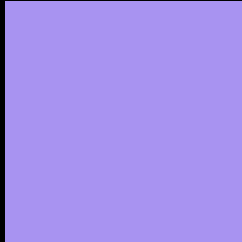
Large Text (above 18pt) WCAG AA × Fail

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 42.4594, 35.5431, 87.8417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

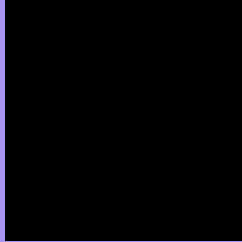
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.4594, 35.5431, 87.8417

Background



This preview shows how black text looks on a background with the XYZ color 42.4594, 35.5431, 87.8417.



This preview shows how white text looks on a background with the XYZ color 42.4594, 35.5431,

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

42.4594, 35.5431, 87.8417

Protanopia

38.2346, 35.8679, 95.3505

Deuteranopia

36.7558, 35.8267, 85.8669



Tritanopia

33.7113, 35.4158, 45.1035

Trichromacy



Original Color

42.4594, 35.5431, 87.8417

Protanomaly

39.4994, 35.5774, 92.7810

Deuteranomaly

38.4567, 35.4255, 86.4723

Tritanomaly

36.3796, 35.2251, 58.3078

Monochromacy



Original Color

42.4594, 35.5431, 87.8417

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

37.2583, 36.2588, 54.9041

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4594, 35.5431, 87.8417 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, 147, 241)` looks like.

```
.text, #text, p{  
    color:rgb(168, 147, 241)  
}
```

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, 147, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 147, 241) }
```

Border

The CSS property to change the border of an element to XYZ 42.4594, 35.5431, 87.8417 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, 147, 241) }
```


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

```
.border{ border-color:rgb(168, 147, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 147, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 147, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 147, 241);  
box-shadow:4px 4px 4px 4px rgb(168, 147,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4594, 35.5431, 87.8417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 147, 241) }
```

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

```
.background{ background-color: rgb(168,  
147, 241) }
```

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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