

Converting Colors

XYZ(42.3054, 33.9697, 92.3741)

Have a look what the booklet for
XYZ(42.3054, 33.9697, 92.3741)
contains.

XYZ(42.2497, 33.9806, 92.3278)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.2497, 33.9806,
92.3278)**

Conversions

Conversions Part 1

Format	Color
Hex	A78DF7
RGB	167, 141, 247
RGB Percent	65%, 55%, 97%
CMY	0.3451, 0.4470, 0.0314
CMYK	0.32, 0.43, 0.00, 0.03
HSL	255°, 87%, 76%
HSV	255°, 43%, 97%
XYZ	42.2497, 33.9806, 92.3278
YIQ	160.8580, -18.5300, 38.4780

Conversions

Conversions Part 2

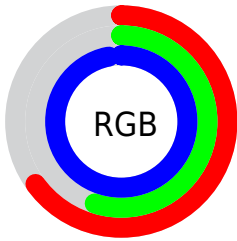
Format	Color
RYB	167, 141, 247
Decimal	10980855
CIELab	64.95, 32.68, -49.74
CIELCh	65, 59.514, 303.308
Yxy	33.9806, 0.2507, 0.2016
Android (android.graphics.Color)	4289170935 (0xFFA78DF7)
YUV	160.8580, 42.4680, 5.3865
Hunter-Lab	58.2929, 27.3613, -53.1021

Details

The XYZ color **42.2497, 33.9806, 92.3278** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **67.8877, 83.8173, 37.8007**, and the grayscale version is **33.6268, 35.3780, 38.5267**.

A 20% lighter version of the original color is **68.3056, 62.0975, 102.9937**, and **19.5060, 14.4095, 50.4684** is the 20% darker color. If you saturate the color by 10%, you get **35.3473, 25.6059, 91.0757**, and if you desaturate by 10%, it is **50.5344, 44.2746, 93.8787**.

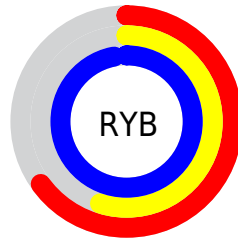
Distribution



Red (65%)

Green (55%)

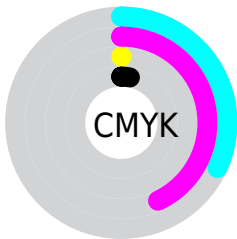
Blue (97%)



Red (65%)

Yellow (55%)

Blue (97%)

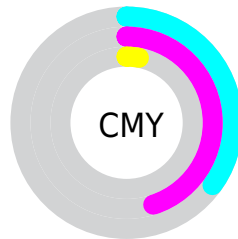


Cyan (32%)

Magenta (43%)

Yellow (0%)

Black (3%)



Cyan (35%)

Magenta (45%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2497, 33.9806, 92.3278 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 42.2497, 33.9806, 92.3278 by changing the saturation by 10% instead.

42.2497, 33.9806,
92.3278

42.2497, 33.9806,
92.3278

346.4910,
320.0455, 556.3387

29.4888, 22.8787,
69.3284

77.8402, 65.9035,
152.5313

19.5971, 14.5040,
50.5058

101.4005, 87.4933,
190.5724

12.2090, 8.4720,
35.4414

129.2914,
113.3478, 234.4645

6.9594, 4.3984,
23.7168

161.8781,
143.8515, 284.6261

3.4828, 1.8988,
14.9135

199.5261,
179.3887, 341.4758

1.4139, 0.5477,
8.6127

242.6007,

0.2661, 0.0000,

220.3439, 405.4321

4.3961

291.4672,
267.1013, 476.9135

■ 0.0000, 0.0000,
1.8451

■ 0.0000, 0.0000,
0.4574

■ 42.2497, 33.9806,
92.3278

■ 42.2497, 33.9806,
92.3278

■ 35.3473, 25.6059,
91.0757

■ 50.5344, 44.2746,
93.8787

■ 29.7446, 19.0249,
90.1008

■ 60.2698, 56.5950,
95.7437

■ 25.3556, 14.1029,
89.3821

■ 71.5243, 71.0452,
97.9397

■ 22.0814, 10.6837,
88.8947

■ 84.3608, 87.7207,
100.4818

■ 19.8054, 8.5799,
88.6085

■ 93.7886, 99.4954,
102.2577

■ 18.6878, 7.6945,
88.4966

Harmonies

Analogous

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



33.2605, 33.9806, 107.2231



42.2497, 33.9806, 92.3278



49.4277, 33.9806, 62.5932

Triad

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



42.2497, 33.9806, 92.3278



40.3048, 33.9806, 8.7761



18.4483, 33.9806, 39.7979

Complementary

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



42.2497, 33.9806, 92.3278



67.8877, 83.8173, 37.8007

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.



19.6677, 33.9806, 19.5502



42.2497, 33.9806, 92.3278



31.3533, 33.9806, 7.0077

Square

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



42.2497, 33.9806, 92.3278



48.1722, 33.9806, 16.6187



24.0455, 33.9806, 9.8647



20.3608, 33.9806, 69.5522

Rectangle

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



42.2497, 33.9806, 92.3278



51.6496, 33.9806, 42.7936



24.0455, 33.9806, 9.8647



18.5069, 33.9806, 31.7528

Sweetspot

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



42.2510, 33.9819, 92.3286



76.7587, 76.2028, 105.2707



53.9661, 64.7634, 97.6526



15.8269, 15.5332, 22.4140



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.



42.2510, 33.9819, 92.3286



39.2528, 29.0277, 98.1418



55.4475, 40.7849, 92.9462



15.9619, 16.1230, 20.8133



9.9904, 4.1246, 46.8076



0.9675, 0.4086, 4.1181

Inverse Universe

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



60.9345, 44.0453, 73.6966



61.9000, 41.2476, 74.5814



54.4889, 76.9100, 37.1736



17.0297, 16.6947, 19.9031



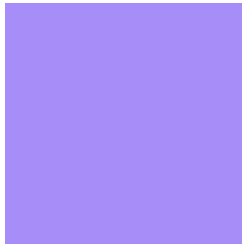
25.0559, 12.3658, 26.0664



2.2425, 1.1030, 2.5036

Previews

White Background



This preview shows how the XYZ color 42.2497, 33.9806, 92.3278 looks on a white background.

Color Contrast Check

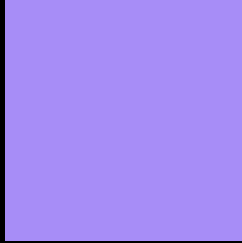
Large Text (above 18pt) WCAG AA × Fail

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 42.2497, 33.9806, 92.3278 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

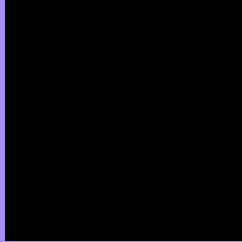
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.2497, 33.9806, 92.3278

Background



This preview shows how black text looks on a background with the XYZ color 42.2497, 33.9806, 92.3278.



This preview shows how white text looks on a background with the XYZ color 42.2497, 33.9806,

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

42.2497, 33.9806, 92.3278

Protanopia

37.0768, 34.1828, 99.2515

Deuteranopia

35.3255, 34.2230, 90.3318



Tritanopia

32.2451, 33.9353, 42.8809

Trichromacy



Original Color

42.2497, 33.9806, 92.3278

Protanomaly

38.4715, 33.7574, 96.5836

Deuteranomaly

37.2209, 33.7123, 90.9316

Tritanomaly

35.3259, 33.7018, 58.0693

Monochromacy



Original Color

42.2497, 33.9806, 92.3278

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

36.1743, 34.7035, 54.6610

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2497, 33.9806, 92.3278 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(167, 141, 247)` looks like.

```
.text, #text, p{  
    color:rgb(167, 141, 247)  
}
```

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(167, 141, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 141, 247) }
```

Border

The CSS property to change the border of an element to XYZ 42.2497, 33.9806, 92.3278 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(167, 141, 247) }
```


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

```
.border{ border-color:rgb(167, 141, 247) }
```

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

Here you see how a box with a 4 pixel rgb(167, 141, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 141, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 141, 247);  
box-shadow:4px 4px 4px 4px rgb(167, 141,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2497, 33.9806, 92.3278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 141, 247) }
```

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

```
.background{ background-color: rgb(167,  
141, 247) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor