

# Converting Colors

XYZ(43.0655, 29.9824, 94.7842)

Have a look what the booklet for  
XYZ(43.0655, 29.9824, 94.7842)  
contains.

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# Color

**XYZ(43.0655, 29.9824,  
94.7842)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B577FB
RGB	181, 119, 251
RGB Percent	71%, 47%, 98%
CMY	0.2902, 0.5333, 0.0157
CMYK	0.28, 0.53, 0.00, 0.02
HSL	268°, 94%, 73%
HSV	268°, 53%, 98%
XYZ	43.0655, 29.9824, 94.7842
YIQ	152.5860, -5.4200, 54.1960

# Conversions

## Conversions Part 2

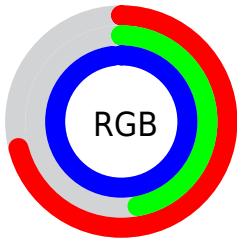
Format	Color
R <sub>Y</sub> B	181, 119, 251
Decimal	11892731
CIE Lab	61.64, 49.38, -57.11
CIE LCh	62, 75.495, 310.851
Yxy	29.9824, 0.2566, 0.1786
Android (android.graphics.Color)	4290082811 (0xFFB577FB)
YUV	152.5860, 48.5181, 24.9191
Hunter-Lab	54.7562, 44.5661, -64.3030

# Details

The XYZ color **43.0655, 29.9824, 94.7842** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **58.8135, 81.1456, 30.0164**, and the grayscale version is **29.8976, 31.4546, 34.2540**.

A 20% lighter version of the original color is **68.9288, 55.6324, 101.7129**, and **20.1169, 12.3144, 52.3556** is the 20% darker color. If you saturate the color by 10%, you get **37.4900, 23.2444, 93.7780**, and if you desaturate by 10%, it is **49.7303, 38.4536, 96.0686**.

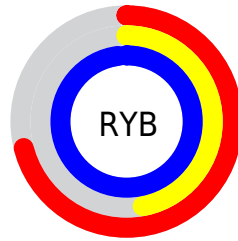
# Distribution



Red (71%)

Green (47%)

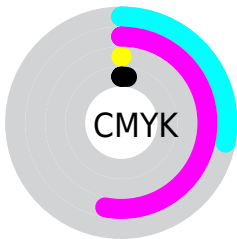
Blue (98%)



Red (71%)

Yellow (47%)

Blue (98%)

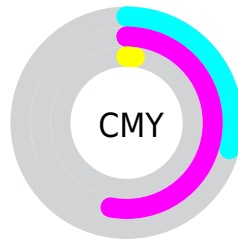


Cyan (28%)

Magenta (53%)

Yellow (0%)

Black (2%)



Cyan (29%)

Magenta (53%)


Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.0655, 29.9824, 94.7842 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 43.0655, 29.9824, 94.7842 by changing the saturation by 10% instead.





 43.0655, 29.9824,  
94.7842


 43.0655, 29.9824,  
94.7842

349.7980,  
301.8224, 564.4406


 30.1313, 19.8252,  
71.3595


 79.0648, 59.6343,  
155.9594

 20.0868, 12.2681,  
52.1520


 102.8605, 79.8979,  
194.5471

 12.5668, 6.9265,  
36.7432


 131.0075,  
104.2991, 239.0260

 7.2059, 3.4162,  
24.7145

163.8711,  
133.2222, 289.8150

 3.6386, 1.3527,  
15.6474

201.8165,  
167.0517, 347.3323

 1.4998, 0.1815,  
9.1233

245.2093,

 0.3257, 0.0000,

206.1720, 411.9967

4.7238

294.4146,  
250.9674, 484.2266

■ 0.0000, 0.0000,  
2.0302

■ 0.0000, 0.0000,  
0.5738

■ 43.0655, 29.9824,  
94.7842

■ 43.0655, 29.9824,  
94.7842

■ 37.4900, 23.2444,  
93.7780

■ 49.7303, 38.4536,  
96.0686

■ 32.9281, 18.1047,  
93.0264

■ 57.5453, 48.7720,  
97.6483

■ 29.2992, 14.4134,  
92.5052

■ 66.5708, 61.0454,  
99.5417

■ 26.5053, 11.9883,  
92.1844

■ 76.8615, 75.3725,  
101.7647

■ 24.8700, 10.8095,  
92.0430

■ 88.4687, 91.8448,  
104.3324

■ 94.4127, 99.7451,  
105.5440

# Harmonies

## Analogous

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



32.2845, 29.9824, 122.4880



43.0655, 29.9824, 94.7842



50.8751, 29.9824, 54.3228

# Triad

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



43.0655, 29.9824, 94.7842



35.3035, 29.9824, 3.3297



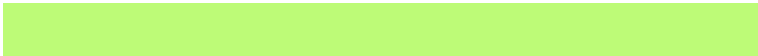
13.4426, 29.9824, 44.1870

# Complementary

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



43.0655, 29.9824, 94.7842



58.8135, 81.1456, 30.0164

# 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.



13.8850, 29.9824, 17.6725



43.0655, 29.9824, 94.7842



25.0186, 29.9824, 2.8982

# Square

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



43.0655, 29.9824, 94.7842



45.7168, 29.9824, 8.2059



17.6522, 29.9824, 6.1545



16.2567, 29.9824, 83.7411



# Rectangle

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



43.0655, 29.9824, 94.7842



52.4586, 29.9824, 31.8323



17.6522, 29.9824, 6.1545



13.2360, 29.9824, 33.4730

# Sweetspot

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



43.0667, 29.9835, 94.7849



75.8705, 72.7994, 104.6606



43.3049, 47.4554, 98.1448



15.7659, 14.9221, 22.2992



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.



43.0667, 29.9835, 94.7849



38.6202, 23.8126, 97.1685



62.2270, 39.8610, 95.6816



17.0583, 17.0427, 21.7758



13.2376, 5.7669, 48.3890



1.3473, 0.5966, 4.4873



# Inverse Universe

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



55.5663, 37.3777, 52.4299



53.4654, 32.6044, 46.4106



46.0534, 74.5675, 29.4193



17.6293, 17.3791, 19.9036



23.2153, 11.7019, 13.1083

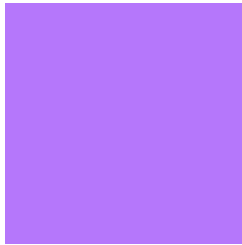


2.2037, 1.1052, 1.4962



# Previews

## White Background



This preview shows how the XYZ color 43.0655, 29.9824, 94.7842 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

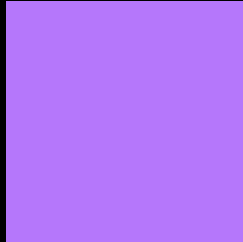
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.0655, 29.9824, 94.7842 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

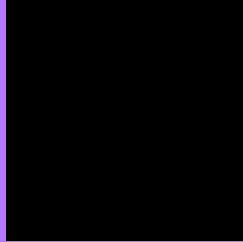
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 43.0655, 29.9824, 94.7842**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.0655, 29.9824, 94.7842.



This preview shows how white text looks on a background with the XYZ color 43.0655, 29.9824,



# 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

43.0655, 29.9824, 94.7842

### Protanopia

33.4309, 30.1801, 98.6711

### Deuteranopia

31.4123, 30.4800, 90.6138



## Tritanopia

30.7595, 29.7645, 34.6958

# Trichromacy



## Original Color

43.0655, 29.9824, 94.7842

## Protanomaly

35.7468, 29.4312, 97.5627

## Deuteranomaly

34.0472, 29.3182, 91.8602

## Tritanomaly

34.2880, 29.2704, 51.9867

# Monochromacy



## Original Color

43.0655, 29.9824, 94.7842

## Achromatopsia

30.2779, 31.8547, 34.6897

## Achromatomaly

33.8144, 30.5104, 52.2510

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.0655, 29.9824, 94.7842 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(181, 119, 251)` looks like.

```
.text, #text, p{  
    color:rgb(181, 119, 251)  
}
```

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(181, 119, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 119, 251) }
```

## Border

The CSS property to change the border of an element to XYZ 43.0655, 29.9824, 94.7842 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(181, 119, 251) }
```



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

```
.border{ border-color:rgb(181, 119, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 119, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 119, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 119, 251);  
box-shadow:4px 4px 4px 4px rgb(181, 119,  
251) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.0655, 29.9824, 94.7842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 119, 251) }
```

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

```
.background{ background-color: rgb(181,  
119, 251) }
```

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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