

# Converting Colors

XYZ(41.4754, 33.7131, 94.9992)

Have a look what the booklet for  
XYZ(41.4754, 33.7131, 94.9992)  
contains.

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# Color

**XYZ(41.4255, 33.7217,  
94.7681)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A08EFA
RGB	160, 142, 250
RGB Percent	63%, 56%, 98%
CMY	0.3725, 0.4431, 0.0196
CMYK	0.36, 0.43, 0.00, 0.02
HSL	250°, 92%, 77%
HSV	250°, 43%, 98%
XYZ	41.4255, 33.7217, 94.7681
YIQ	159.6940, -23.9400, 37.4040

# Conversions

## Conversions Part 2

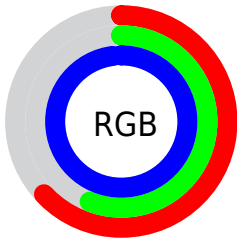
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">160, 142, 250</a>
Decimal	<a href="#">10522362</a>
<a href="#">CIELab</a>	<a href="#">64.74, 31.07, -51.75</a>
<a href="#">CIELCh</a>	<a href="#">65, 60.358, 300.983</a>
<a href="#">Yxy</a>	<a href="#">33.7217, 0.2438, 0.1985</a>
<a href="#">Android (android.graphics.Color)</a>	<a href="#">4288712442 (0xFFA08EFA)</a>
<a href="#">YUV</a>	<a href="#">159.6940, 44.5209, 0.2684</a>
<a href="#">Hunter-Lab</a>	<a href="#">58.0704, 25.7128, -56.1092</a>

# Details

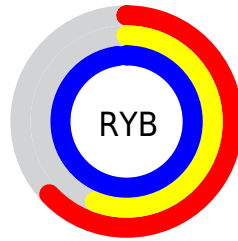
The XYZ color **41.4255, 33.7217, 94.7681** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **72.3471, 87.4805, 38.6646**, and the grayscale version is **33.0836, 34.8066, 37.9043**.

A 20% lighter version of the original color is **66.7034, 61.6053, 102.9831**, and **19.1617, 14.4476, 52.2308** is the 20% darker color. If you saturate the color by 10%, you get **34.2930, 25.1290, 93.4861**, and if you desaturate by 10%, it is **50.0925, 44.3447, 96.3624**.

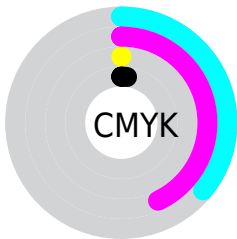
# Distribution



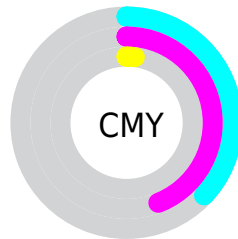
- Red (63%)
- Green (56%)
- Blue (98%)



- Red (63%)
- Yellow (56%)
- Blue (98%)



- Cyan (36%)
- Magenta (43%)
- Yellow (0%)
- Black (2%)



- Cyan (37%)
- Magenta (44%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.4255, 33.7217, 94.7681 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 41.4255, 33.7217, 94.7681 by changing the saturation by 10% instead.



41.4255, 33.7217,  
94.7681

41.4255, 33.7217,  
94.7681

343.1281,  
318.8893, 564.3877

28.8408, 22.6799,  
71.3462

76.6000, 65.5007,  
155.9370

19.1041, 14.3573,  
52.1412

99.9206, 87.0066,  
194.5211

11.8500, 8.3696,  
36.7346

127.5506,  
112.7693, 238.9962

6.7131, 4.3323,  
24.7079

159.8552,  
143.1733, 289.7810

3.3281, 1.8612,  
15.6425

197.2000,  
178.6029, 347.2941

1.3295, 0.5249,  
9.1199

239.9501,

0.2052, 0.0000,

219.4425, 411.9538

4.7216

288.4711,  
266.0765, 484.1788

■ 0.0000, 0.0000,  
2.0290

■ 0.0000, 0.0000,  
0.5730

■ 41.4255, 33.7217,  
94.7681

■ 41.4255, 33.7217,  
94.7681

■ 34.2930, 25.1290,  
93.4861

■ 50.0925, 44.3447,  
96.3624

■ 28.6000, 18.4321,  
92.4935

■ 60.3736, 57.1132,  
98.2851

■ 24.2465, 13.4860,  
91.7683

■ 72.3475, 72.1385,  
100.5542

■ 21.1176, 10.1224,  
91.2840

■ 86.0867, 89.5227,  
103.1855

■ 19.0778, 8.1393,  
91.0087

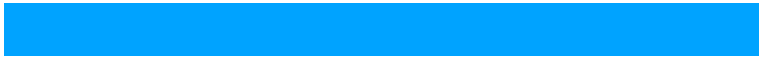
■ 94.2554, 99.6822,  
104.7160

■ 18.1969, 7.3875,  
90.9100

# Harmonies

## Analogous

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



32.3385, 33.7217, 108.1628



41.4255, 33.7217, 94.7681



48.9580, 33.7217, 65.0974

# Triad

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



41.4255, 33.7217, 94.7681



40.8401, 33.7217, 8.7865



18.1019, 33.7217, 37.5430

# Complementary

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



41.4255, 33.7217, 94.7681



72.3471, 87.4805, 38.6646

# 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.



19.5683, 33.7217, 18.0814



41.4255, 33.7217, 94.7681



31.7661, 33.7217, 6.6747

# Square

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



41.4255, 33.7217, 94.7681



48.5794, 33.7217, 17.2105



24.2103, 33.7217, 9.1062



19.7750, 33.7217, 67.1993



# Rectangle

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



41.4255, 33.7217, 94.7681



51.5039, 33.7217, 44.7223



24.2103, 33.7217, 9.1062



18.2413, 33.7217, 29.7293

# Sweetspot

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



41.4268, 33.7229, 94.7689



75.9286, 75.7749, 105.2319



57.2682, 70.3671, 101.0070



15.6244, 15.4288, 22.4045



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.



41.4268, 33.7229, 94.7689



36.6482, 27.2121, 97.9286



54.6608, 40.5453, 95.3883



16.5526, 16.7820, 21.7521



9.7316, 3.9595, 48.2249



0.9754, 0.4049, 4.4699



# Inverse Universe

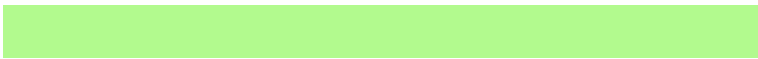
The Inverse Universe completely reimagines the original color for something new.



63.6635, 45.4971, 81.7701



62.9422, 41.1549, 81.6408



57.4291, 79.7900, 37.9664



17.8615, 17.4720, 21.1264



27.0189, 13.2233, 33.1375

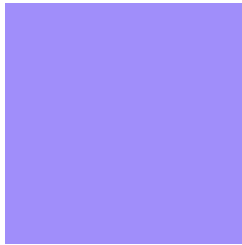


2.5343, 1.2375, 3.2372



# Previews

## White Background



This preview shows how the XYZ color 41.4255, 33.7217, 94.7681 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

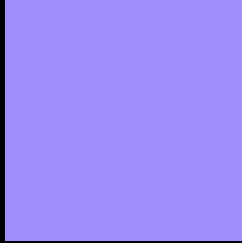
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.4255, 33.7217, 94.7681 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

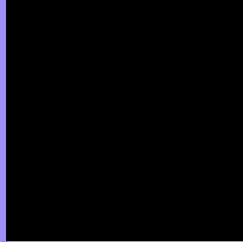
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 41.4255, 33.7217, 94.7681

## Background



This preview shows how black text looks on a background with the XYZ color 41.4255, 33.7217, 94.7681.



This preview shows how white text looks on a background with the XYZ color 41.4255, 33.7217,



# 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

41.4255, 33.7217, 94.7681

### Protanopia

36.9417, 34.1131, 99.2452

### Deuteranopia

35.0298, 34.0175, 92.7154



## Tritanopia

31.1722, 33.6145, 43.8750

# Trichromacy



## Original Color

41.4255, 33.7217, 94.7681

## Protanomaly

38.3088, 33.8911, 97.4510

## Deuteranomaly

36.9239, 33.7458, 93.3744

## Tritanomaly

34.2110, 33.3422, 59.2761

# Monochromacy



## Original Color

41.4255, 33.7217, 94.7681

## Achromatopsia

33.4132, 35.1533, 38.2819

## Achromatomaly

35.5141, 34.1063, 55.1635

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.4255, 33.7217, 94.7681 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(160, 142, 250)` looks like.

```
.text, #text, p{  
    color:rgb(160, 142, 250)  
}
```

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(160, 142, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 142, 250) }
```

## Border

The CSS property to change the border of an element to XYZ 41.4255, 33.7217, 94.7681 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(160, 142, 250) }
```



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

```
.border{ border-color:rgb(160, 142, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 142, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 142, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 142, 250);  
box-shadow:4px 4px 4px 4px rgb(160, 142,  
250) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.4255, 33.7217, 94.7681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 142, 250) }
```

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

```
.background{ background-color: rgb(160,  
142, 250) }
```

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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