

# Converting Colors

XYZ(40.5567, 31.8299, 92.0019)

Have a look what the booklet for  
XYZ(40.5567, 31.8299, 92.0019)  
contains.

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# Color

**XYZ(40.5567, 31.8299,  
92.0019)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A387F7
RGB	163, 135, 247
RGB Percent	64%, 53%, 97%
CMY	0.3608, 0.4706, 0.0314
CMYK	0.34, 0.45, 0.00, 0.03
HSL	255°, 88%, 75%
HSV	255°, 45%, 97%
XYZ	40.5567, 31.8299, 92.0019
YIQ	156.1400, -19.2640, 40.7680

# Conversions

## Conversions Part 2

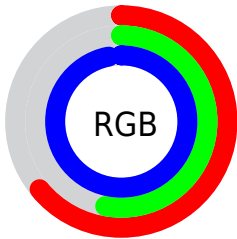
<b>Format</b>	<b>Color</b>
<b>RYB</b>	163, 135, 247
Decimal	10717175
CIELab	63.20, 35.04, -52.52
CIELCh	63, 63.137, 303.706
Yxy	31.8299, 0.2467, 0.1936
Android (android.graphics.Color)	4288907255 (0xFFA387F7)
YUV	156.1400, 44.7940, 6.0162
Hunter-Lab	56.4180, 29.5852, -57.1927

# Details

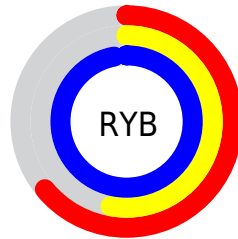
The XYZ color **40.5567, 31.8299, 92.0019** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **66.8478, 83.3314, 35.4840**, and the grayscale version is **31.4760, 33.1152, 36.0625**.

A 20% lighter version of the original color is **66.0664, 58.9873, 102.5114**, and **18.6062, 13.3405, 50.3095** is the 20% darker color. If you saturate the color by 10%, you get **33.9827, 23.9052, 90.8194**, and if you desaturate by 10%, it is **48.4881, 41.6419, 93.4784**.

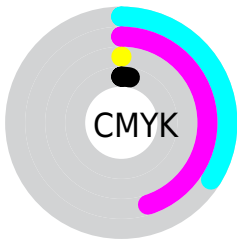
# Distribution



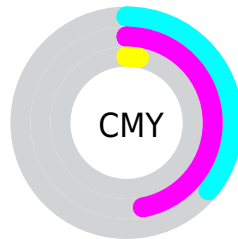
- Red (64%)
- Green (53%)
- Blue (97%)



- Red (64%)
- Yellow (53%)
- Blue (97%)



- Cyan (34%)
- Magenta (45%)
- Yellow (0%)
- Black (3%)



- Cyan (36%)
- Magenta (47%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5567, 31.8299, 92.0019 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 40.5567, 31.8299, 92.0019 by changing the saturation by 10% instead.



40.5567, 31.8299,  
92.0019

40.5567, 31.8299,  
92.0019

339.5587,  
310.3437, 555.2589

28.1590, 21.2316,  
69.0592

75.2895, 62.5443,  
152.0757

18.5866, 13.2934,  
50.2878

98.3552, 83.4293,  
190.0439

11.4742, 7.6309,  
35.2694

125.7077,  
108.5119, 233.8577

6.4564, 3.8597,  
23.5852

157.7123,  
138.1765, 283.9356

3.1678, 1.5954,  
14.8169

194.7344,  
172.8076, 340.6961

1.2431, 0.3545,  
8.5458

237.1392,

0.1400, 0.0000,

212.7896, 404.5578

4.3534

285.2922,  
258.5068, 475.9392

■ 0.0000, 0.0000,  
1.8211

■ 0.0000, 0.0000,  
0.4418

■ 40.5567, 31.8299,  
92.0019

■ 40.5567, 31.8299,  
92.0019

■ 33.9827, 23.9052,  
90.8194

■ 48.4881, 41.6419,  
93.4784

■ 28.6821, 17.7399,  
89.9087

■ 57.8465, 53.4508,  
95.2645

■ 24.5673, 13.1950,  
89.2483

■ 68.7009, 67.3616,  
97.3775

■ 21.5363, 10.1086,  
88.8124

■ 81.1148, 83.4712,  
99.8326

■ 19.4674, 8.2827,  
88.5690

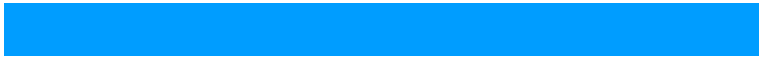
■ 93.7886, 99.4954,  
102.2576

■ 18.7597, 7.7316,  
88.4999

# Harmonies

## Analogous

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



31.3513, 31.8299, 108.1660



40.5567, 31.8299, 92.0019



47.9350, 31.8299, 60.6113

# Triad

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



40.5567, 31.8299, 92.0019



38.3147, 31.8299, 6.9557



16.4043, 31.8299, 37.8583

# Complementary

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



40.5567, 31.8299, 92.0019



66.8478, 83.3314, 35.4840

# 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.



17.5620, 31.8299, 17.4262



40.5567, 31.8299, 92.0019



29.1814, 31.8299, 5.4154

# Square

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



40.5567, 31.8299, 92.0019



46.4755, 31.8299, 14.2400



21.8620, 31.8299, 8.0761



18.3279, 31.8299, 68.7637



# Rectangle

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



40.5567, 31.8299, 92.0019



50.1924, 31.8299, 40.1992



21.8620, 31.8299, 8.0761



16.4483, 31.8299, 29.6498

# Sweetspot

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



40.5579, 31.8311, 92.0027



75.5263, 74.5706, 105.0206



52.1126, 62.5303, 97.3192



15.5857, 15.2128, 22.3648



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.



40.5579, 31.8311, 92.0027



37.3440, 26.6616, 97.7857



54.6668, 39.1044, 92.6629



15.9693, 16.1268, 20.8137



10.0301, 4.1450, 46.8094



0.9719, 0.4109, 4.1183



# Inverse Universe

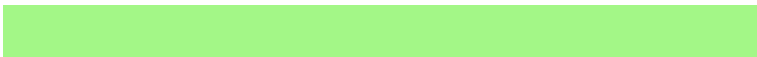
The Inverse Universe completely reimagines the original color for something new.



59.8086, 42.2175, 72.0145



60.6307, 39.2504, 72.4896



52.7391, 76.0581, 34.8238



17.0262, 16.6933, 19.8847



24.9911, 12.3399, 25.7253

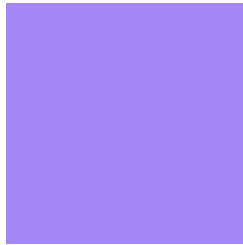


2.2373, 1.1009, 2.4762



# Previews

## White Background



This preview shows how the XYZ color 40.5567, 31.8299, 92.0019 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

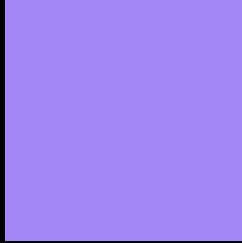
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.5567, 31.8299, 92.0019 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

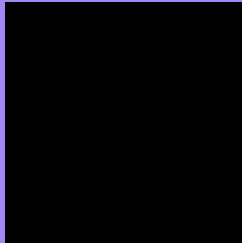
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 40.5567, 31.8299, 92.0019**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.5567, 31.8299, 92.0019.



This preview shows how white text looks on a background with the XYZ color 40.5567, 31.8299,



# 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

40.5567, 31.8299, 92.0019

### Protanopia

35.2630, 32.2839, 98.9806

### Deuteranopia

33.0484, 32.0783, 89.2439



## Tritanopia

30.1282, 31.6466, 40.5969

# Trichromacy



## Original Color

40.5567, 31.8299, 92.0019

## Protanomaly

36.7493, 31.9462, 96.3248

## Deuteranomaly

34.9202, 31.3745, 89.8033

## Tritanomaly

33.0781, 31.1733, 55.9034

# Monochromacy



## Original Color

40.5567, 31.8299, 92.0019

## Achromatopsia

31.5995, 33.2452, 36.2040

## Achromatomaly

34.0733, 32.2249, 52.5683

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.5567, 31.8299, 92.0019 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(163, 135, 247)` looks like.

```
.text, #text, p{  
    color:rgb(163, 135, 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(163, 135, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 135, 247) }
```

## Border

The CSS property to change the border of an element to XYZ 40.5567, 31.8299, 92.0019 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(163, 135, 247) }
```



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

```
.border{ border-color:rgb(163, 135, 247) }
```

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

Here you see how a box with a 4 pixel rgb(163, 135, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 135, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 135, 247);  
box-shadow:4px 4px 4px 4px rgb(163, 135,  
247) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.5567, 31.8299, 92.0019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 135, 247) }
```

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

```
.background{ background-color: rgb(163,  
135, 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](#).

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