

Converting Colors

XYZ(45.0308, 37.6843, 91.7506)

Have a look what the booklet for
XYZ(45.0308, 37.6843, 91.7506)
contains.

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Color

**XYZ(45.1567, 37.7857,
92.1021)**

Conversions

Conversions Part 1

Format	Color
Hex	AE97F6
RGB	174, 151, 246
RGB Percent	68%, 59%, 96%
CMY	0.3176, 0.4078, 0.0353
CMYK	0.29, 0.39, 0.00, 0.04
HSL	255°, 84%, 78%
HSV	255°, 39%, 96%
XYZ	45.1567, 37.7857, 92.1021
YIQ	168.7070, -16.7870, 34.4210

Conversions

Conversions Part 2

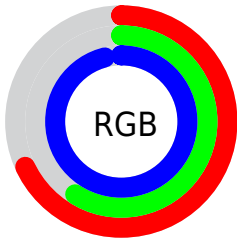
Format	Color
RYB	174, 151, 246
Decimal	11442166
CIELab	67.86, 28.67, -44.56
CIELCh	68, 52.986, 302.763
Yxy	37.7857, 0.2580, 0.2159
Android (android.graphics.Color)	4289632246 (0xFFAE97F6)
YUV	168.7070, 38.1054, 4.6420
Hunter-Lab	61.4701, 23.5557, -45.8066

Details

The XYZ color **45.1567, 37.7857, 92.1021** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **68.9738, 83.8346, 41.8259**, and the grayscale version is **37.3924, 39.3397, 42.8409**.

A 20% lighter version of the original color is **72.8363, 67.8716, 103.8694**, and **21.3502, 16.7104, 50.2443** is the 20% darker color. If you saturate the color by 10%, you get **37.7338, 28.6830, 90.7370**, and if you desaturate by 10%, it is **53.9848, 48.8403, 93.7712**.

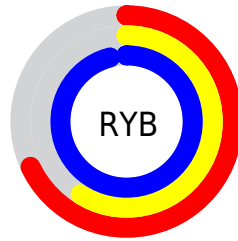
Distribution



Red (68%)

Green (59%)

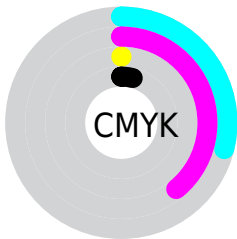
Blue (96%)



Red (68%)

Yellow (59%)

Blue (96%)

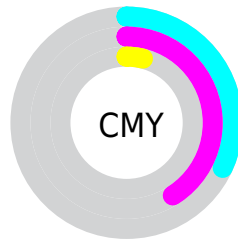


Cyan (29%)

Magenta (39%)

Yellow (0%)

Black (4%)



Cyan (32%)


Magenta (41%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.1567, 37.7857, 92.1021 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 45.1567, 37.7857, 92.1021 by changing the saturation by 10% instead.


 45.1567, 37.7857,
92.1021

 45.1567, 37.7857,
92.1021


358.1809,
336.6998, 555.5910

 31.7827, 25.8164,
69.1419


 82.1911, 71.7796,
152.2158

 21.3503, 16.6863,
50.3548


 106.5822, 94.5729,
190.2064

 13.4942, 10.0111,
35.3223


135.3764,
121.7431, 234.0443

 7.8491, 5.4063,
23.6257

168.9390,
153.6744, 284.1479

 4.0495, 2.4876,
14.8466

207.6354,
190.7514, 340.9359

 1.7302, 0.8704,
8.5663

251.8310,

 0.4751, 0.0000,

233.3583, 404.8267

4.3665

301.8910,
281.8797, 476.2389

■ 0.0000, 0.0000,
1.8285

■ 0.0000, 0.0000,
0.4466

■ 45.1567, 37.7857,
92.1021

■ 45.1567, 37.7857,
92.1021

■ 37.7338, 28.6830,
90.7370

■ 53.9848, 48.8403,
93.7712

■ 31.6366, 21.4123,
89.6550

■ 64.2836, 61.9487,
95.7586

■ 26.7836, 15.8466,
88.8365

■ 76.1192, 77.2104,
98.0806

■ 23.0821, 11.8408,
88.2584

■ 89.5525, 94.7175,
100.7518

■ 20.4247, 9.2243,
87.8934

■ 93.6347, 99.4339,
101.4470

■ 18.6669, 7.7564,
87.7027

■ 18.4717, 7.6009,
87.6830

Harmonies

Analogous

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



36.6808, 37.7857, 104.8740



45.1567, 37.7857, 92.1021



51.8657, 37.7857, 65.5091

Triad

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



45.1567, 37.7857, 92.1021



43.6381, 37.7857, 12.6070



22.3363, 37.7857, 43.3611

Complementary

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



45.1567, 37.7857, 92.1021



68.9738, 83.8346, 41.8259

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.



23.6228, 37.7857, 23.7191



45.1567, 37.7857, 92.1021



35.1583, 37.7857, 10.4832

Square

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



45.1567, 37.7857, 92.1021



50.8992, 37.7857, 21.1985



28.0276, 37.7857, 13.6240



24.2032, 37.7857, 70.7941

Rectangle

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



45.1567, 37.7857, 92.1021



53.9702, 37.7857, 47.1074



28.0276, 37.7857, 13.6240



22.4147, 37.7857, 35.7032

Sweetspot

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



45.1581, 37.7872, 92.1030



78.0299, 77.8704, 105.5256



56.0090, 66.4560, 97.0647



16.3374, 16.1974, 22.5153



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.



45.1581, 37.7872, 92.1030



42.8423, 33.4288, 98.8021



57.4196, 44.1082, 92.6768



15.9569, 16.1204, 20.8131



9.9641, 4.1110, 46.8064



0.9646, 0.4071, 4.1180

Inverse Universe

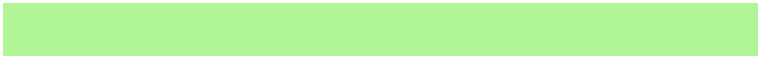
The Inverse Universe completely reimagines the original color for something new.



62.3928, 47.0550, 75.6066



64.0955, 44.8750, 77.6677



56.5227, 77.4158, 41.2432



17.0321, 16.6957, 19.9154



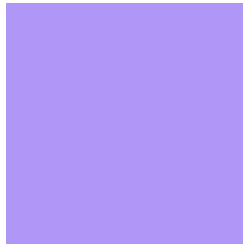
25.0999, 12.3834, 26.2982



2.2461, 1.1044, 2.5223

Previews

White Background



This preview shows how the XYZ color 45.1567, 37.7857, 92.1021 looks on a white background.

Color Contrast Check

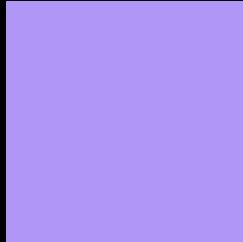
Large Text (above 18pt) WCAG AA × Fail

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 45.1567, 37.7857, 92.1021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

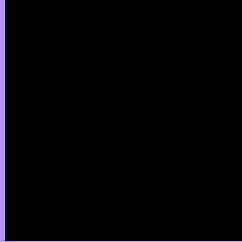
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.1567, 37.7857, 92.1021

Background



This preview shows how black text looks on a background with the XYZ color 45.1567, 37.7857, 92.1021.



This preview shows how white text looks on a background with the XYZ color 45.1567, 37.7857,

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

45.1567, 37.7857, 92.1021

Protanopia

40.4861, 37.9662, 99.8021

Deuteranopia

38.9688, 37.9275, 90.0609



Tritanopia

36.1890, 37.7017, 47.4893

Trichromacy



Original Color

45.1567, 37.7857, 92.1021

Protanomaly

41.8302, 37.6850, 97.1647

Deuteranomaly

40.7599, 37.5310, 90.6839

Tritanomaly

39.0762, 37.5604, 61.6903

Monochromacy



Original Color

45.1567, 37.7857, 92.1021

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

39.7930, 38.5298, 58.1630

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.1567, 37.7857, 92.1021 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(174, 151, 246)` looks like.

```
.text, #text, p{  
    color:rgb(174, 151, 246)  
}
```

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(174, 151, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 151, 246) }
```

Border

The CSS property to change the border of an element to XYZ 45.1567, 37.7857, 92.1021 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(174, 151, 246) }
```


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

```
.border{ border-color:rgb(174, 151, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 151, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 151, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 151, 246);  
box-shadow:4px 4px 4px 4px rgb(174, 151,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 45.1567, 37.7857, 92.1021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 151, 246) }
```

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

```
.background{ background-color: rgb(174,  
151, 246) }
```

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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