

Converting Colors

XYZ(54.4987, 33.8901,
166.7386)

Have a look what the booklet for
XYZ(54.4987, 33.8901, 166.7386)
contains.

XYZ(41.4245, 28.7132, 97.9666)	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(41.4245, 28.7132,
97.9666)**

Conversions

Conversions Part 1

Format	Color
Hex	AC75FF
RGB	172, 117, 255
RGB Percent	67%, 46%, 100%
CMY	0.3255, 0.5412, 0.0000
CMYK	0.33, 0.54, 0.00, 0.00
HSL	264°, 100%, 73%
HSV	264°, 54%, 100%
XYZ	41.4245, 28.7132, 97.9666
YIQ	149.1770, -11.5180, 54.5780

Conversions

Conversions Part 2

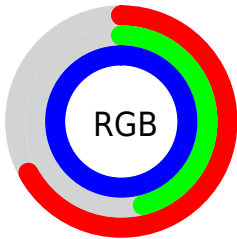
Format	Color
R _Y B	172, 117, 255
Decimal	11302399
CIE Lab	60.53, 49.23, -61.14
CIE LCh	61, 78.493, 308.843
Yxy	28.7132, 0.2464, 0.1708
Android (android.graphics.Color)	4289492479 (0xFFAC75FF)
YUV	149.1770, 52.1707, 20.0158
Hunter-Lab	53.5847, 44.2190, -70.8881

Details

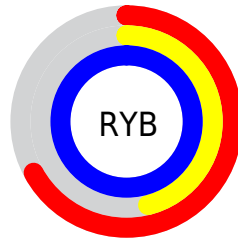
The XYZ color **41.4245, 28.7132, 97.9666** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **62.7901, 85.0836, 29.9438**, and the grayscale version is **28.4333, 29.9141, 32.5765**.

A 20% lighter version of the original color is **65.5679, 53.3347, 101.4466**, and **19.0965, 11.5725, 54.0505** is the 20% darker color. If you saturate the color by 10%, you get **35.6739, 21.9230, 96.9591**, and if you desaturate by 10%, it is **48.3748, 37.3236, 99.2623**.

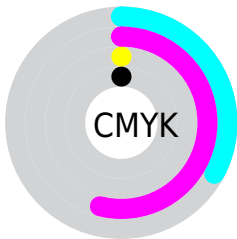
Distribution



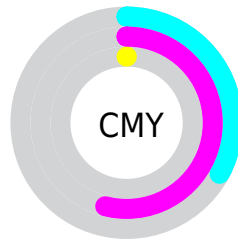
- Red (67%)
- Green (46%)
- Blue (100%)



- Red (67%)
- Yellow (46%)
- Blue (100%)



- Cyan (33%)
- Magenta (54%)
- Yellow (0%)
- Black (0%)





- Cyan (33%)
- Magenta (54%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.4245, 28.7132, 97.9666 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 41.4245, 28.7132, 97.9666 by changing the saturation by 10% instead.


 41.4245, 28.7132,
97.9666


 41.4245, 28.7132,
97.9666

343.1240,
295.8593, 574.8444

 28.8401, 18.8640,
73.9961


 76.5985, 57.6211,
160.3874

 19.1035, 11.5720,
54.2940

 99.9188, 77.4486,
199.6748

 11.8496, 6.4530,
38.4420


 127.5485,
101.3709, 244.9049

 6.7128, 3.1224,
26.0214

159.8528,
129.7725, 296.4961

 3.3279, 1.1960,
16.6138

197.1971,
163.0377, 354.8672

 1.3294, 0.0584,
9.8005

239.9469,

 0.2051, 0.0000,

201.5510, 420.4366

5.1630

288.4674,
245.6968, 493.6228

■ 0.0000, 0.0000,
2.2828

■ 0.0000, 0.0000,
0.7216

■ 41.4245, 28.7132,
97.9666

■ 41.4245, 28.7132,
97.9666

■ 35.6739, 21.9230,
96.9591

■ 48.3748, 37.3236,
99.2623

■ 31.0391, 16.8084,
96.2162

■ 56.5937, 47.8773,
100.8662

■ 27.4291, 13.2068,
95.7112

■ 66.1486, 60.4899,
102.7971

■ 24.7334, 10.9190,
95.4117

■ 77.1008, 75.2669,
105.0721

■ 23.4881, 10.0235,
95.3045

■ 89.5073, 92.3063,
107.7071

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



30.3970, 28.7132, 125.1543



41.4245, 28.7132, 97.9666



49.7904, 28.7132, 56.0349

Triad

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



41.4245, 28.7132, 97.9666



34.9438, 28.7132, 2.7588



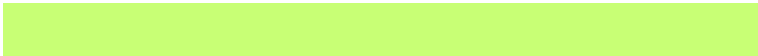
12.2120, 28.7132, 40.6497

Complementary

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



41.4245, 28.7132, 97.9666



62.7901, 85.0836, 29.9438

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.



12.8557, 28.7132, 15.1403



41.4245, 28.7132, 97.9666



24.4042, 28.7132, 2.1893

Square

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



41.4245, 28.7132, 97.9666



45.4511, 28.7132, 7.7022



16.8048, 28.7132, 4.8321



14.7555, 28.7132, 80.9392

Rectangle

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



41.4245, 28.7132, 97.9666



51.7709, 28.7132, 32.4038



16.8048, 28.7132, 4.8321



12.0793, 28.7132, 30.1508

Sweetspot

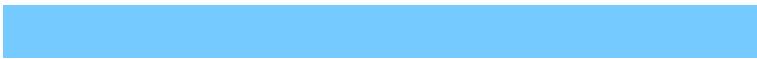
The Sweet Spot groups the original color and five complimentary colors.



41.4256, 28.7142, 97.9668



74.9287, 72.3139, 104.6166



46.5307, 53.2905, 102.4414



15.5422, 14.8068, 22.2888



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.



41.4256, 28.7142, 97.9668



35.2208, 21.4059, 96.8832



59.9745, 38.2765, 98.8348



17.6881, 17.7309, 22.7401



12.4300, 5.3184, 49.8060



1.3294, 0.5792, 4.8550

Inverse Universe

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



58.0268, 38.1532, 58.9489



54.0118, 32.1179, 51.4613



48.6600, 77.7993, 29.2825



18.4682, 18.1706, 21.0824



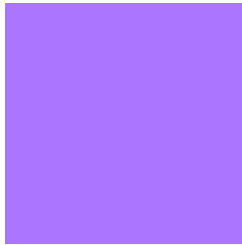
24.6447, 12.3472, 17.3113



2.4535, 1.2238, 1.9696

Previews

White Background



This preview shows how the XYZ color 41.4245, 28.7132, 97.9666 looks on a white background.

Color Contrast Check

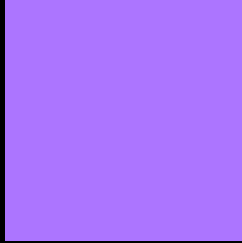
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.4245, 28.7132, 97.9666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

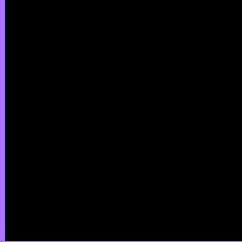
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 41.4245, 28.7132, 97.9666

Background



This preview shows how black text looks on a background with the XYZ color 41.4245, 28.7132, 97.9666.



This preview shows how white text looks on a background with the XYZ color 41.4245, 28.7132,

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

41.4245, 28.7132, 97.9666

Protanopia

32.3391, 28.9457, 98.4904

Deuteranopia

30.1311, 29.0466, 93.6410



Tritanopia

28.6041, 28.6534, 34.5949

Trichromacy



Original Color

41.4245, 28.7132, 97.9666



Protanomaly

34.4636, 28.1326, 98.2215



Deuteranomaly

32.4011, 27.7615, 94.9176



Tritanomaly

32.2271, 28.1827, 53.0315

Monochromacy



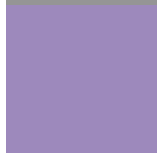
Original Color

41.4245, 28.7132, 97.9666



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

31.9274, 28.6903, 51.4320

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.4245, 28.7132, 97.9666 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(172, 117, 255)` looks like.

```
.text, #text, p{  
    color:rgb(172, 117, 255)  
}
```

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(172, 117, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 117, 255) }
```

Border

The CSS property to change the border of an element to XYZ 41.4245, 28.7132, 97.9666 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(172, 117, 255) }
```


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

```
.border{ border-color:rgb(172, 117, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 117, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 117, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 117, 255);  
box-shadow:4px 4px 4px 4px rgb(172, 117,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 41.4245, 28.7132, 97.9666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 117, 255) }
```

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

```
.background{ background-color: rgb(172,  
117, 255) }
```

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