

Converting Colors

XYZ(54.7544, 34.0211,
166.7425)

Have a look what the booklet for
XYZ(54.7544, 34.0211, 166.7425)
contains.

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Color

**XYZ(41.6449, 28.8268,
97.9769)**

Conversions

Conversions Part 1

Format	Color
Hex	AD75FF
RGB	173, 117, 255
RGB Percent	68%, 46%, 100%
CMY	0.3216, 0.5412, 0.0000
CMYK	0.32, 0.54, 0.00, 0.00
HSL	264°, 100%, 73%
HSV	264°, 54%, 100%
XYZ	41.6449, 28.8268, 97.9769
YIQ	149.4760, -10.9220, 54.7900

Conversions

Conversions Part 2

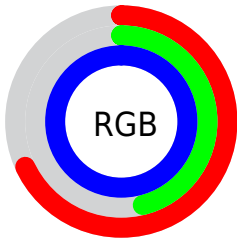
Format	Color
R _Y B	173, 117, 255
Decimal	11367935
CIE Lab	60.63, 49.47, -60.97
CIE LCh	61, 78.511, 309.054
Yxy	28.8268, 0.2472, 0.1711
Android (android.graphics.Color)	4289558015 (0xFFAD75FF)
YUV	149.4760, 52.0233, 20.6305
Hunter-Lab	53.6906, 44.4943, -70.6115

Details

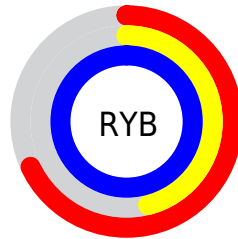
The XYZ color **41.6449, 28.8268, 97.9769** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **62.5238, 84.9463, 29.9313**, and the grayscale version is **28.5594, 30.0467, 32.7208**.

A 20% lighter version of the original color is **65.8916, 53.5016, 101.4617**, and **19.2287, 11.6407, 54.0567** is the 20% darker color. If you saturate the color by 10%, you get **35.9057, 22.0425, 96.9699**, and if you desaturate by 10%, it is **48.5753, 37.4270, 99.2717**.

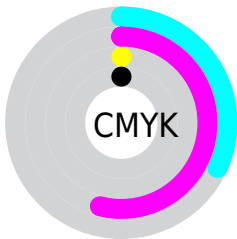
Distribution



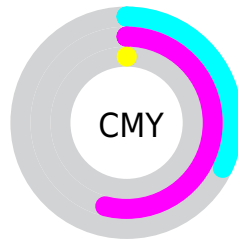
- Red (68%)
- Green (46%)
- Blue (100%)



- Red (68%)
- Yellow (46%)
- Blue (100%)



- Cyan (32%)
- Magenta (54%)
- Yellow (0%)
- Black (0%)





- Cyan (32%)
- Magenta (54%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.6449, 28.8268, 97.9769 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 41.6449, 28.8268, 97.9769 by changing the saturation by 10% instead.


 41.6449, 28.8268,
97.9769


 41.6449, 28.8268,
97.9769

344.0255,
296.3969, 574.8779


 29.0132, 18.9498,
74.0046


 76.9305, 57.8018,
160.4017

 19.2352, 11.6340,
54.3010


 100.3151, 77.6686,
199.6914

 11.9453, 6.4950,
38.4475


 128.0147,
101.6342, 244.9238

 6.7784, 3.1483,
26.0257

160.3947,
130.0829, 296.5177

 3.3690, 1.2097,
16.6169

197.8204,
163.3991, 354.8915

 1.3518, 0.0696,
9.8027

240.6572,

 0.2215, 0.0000,

201.9672, 420.4638

5.1644

289.2705,
246.1717, 493.6531

■ 0.0000, 0.0000,
2.2836

■ 0.0000, 0.0000,
0.7220

■ 41.6449, 28.8268,
97.9769

■ 41.6449, 28.8268,
97.9769

■ 35.9057, 22.0425,
96.9699

■ 48.5753, 37.4270,
99.2717

■ 31.2743, 16.9297,
96.2272

■ 56.7655, 47.9658,
100.8742

■ 27.6602, 13.3260,
95.7221

■ 66.2821, 60.5587,
102.8033

■ 24.9536, 11.0326,
95.4220

■ 77.1862, 75.3109,
105.0760

■ 23.6991, 10.1322,
95.3144

■ 89.5344, 92.3202,
107.7084

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.



30.5902, 28.8268, 125.4188



41.6449, 28.8268, 97.9769



49.9967, 28.8268, 55.9414

Triad

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



41.6449, 28.8268, 97.9769



34.9940, 28.8268, 2.7662



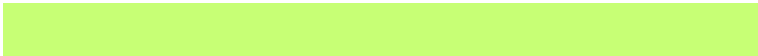
12.2790, 28.8268, 41.0424

Complementary

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



41.6449, 28.8268, 97.9769



62.5238, 84.9463, 29.9313

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.



12.9028, 28.8268, 15.3325



41.6449, 28.8268, 97.9769



24.4379, 28.8268, 2.2135

Square

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



41.6449, 28.8268, 97.9769



45.5445, 28.8268, 7.6846



16.8404, 28.8268, 4.9022



14.8548, 28.8268, 81.4905

Rectangle

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



41.6449, 28.8268, 97.9769



51.9455, 28.8268, 32.3202



16.8404, 28.8268, 4.9022



12.1385, 28.8268, 30.4729

Sweetspot

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



41.6460, 28.8278, 97.9771



75.0239, 72.3630, 104.6210



45.9946, 52.2185, 102.2627



15.5648, 14.8184, 22.2898



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.



41.6460, 28.8278, 97.9771



35.4532, 21.5257, 96.8940



60.7556, 38.6792, 98.8714



17.7009, 17.7376, 22.7407



12.5417, 5.3760, 49.8112



1.3410, 0.5852, 4.8556

Inverse Universe

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



57.9102, 38.1066, 58.3350



53.8819, 32.0659, 50.7774



48.3005, 77.6139, 29.2656



18.4624, 18.1683, 21.0521



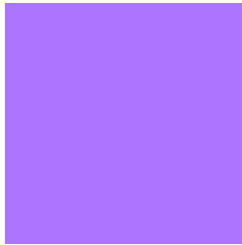
24.5655, 12.3155, 16.8941



2.4460, 1.2208, 1.9302

Previews

White Background



This preview shows how the XYZ color 41.6449, 28.8268, 97.9769 looks on a white background.

Color Contrast Check

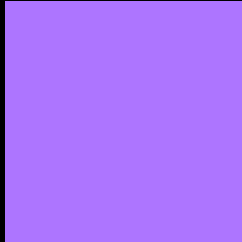
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.6449, 28.8268, 97.9769 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 41.6449, 28.8268, 97.9769

Background



This preview shows how black text looks on a background with the XYZ color 41.6449, 28.8268, 97.9769.



This preview shows how white text looks on a background with the XYZ color 41.6449, 28.8268,

97.9769.

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

41.6449, 28.8268, 97.9769

Protanopia

32.4886, 29.2446, 98.5402

Deuteranopia

30.3613, 29.3971, 93.6965



Tritanopia

28.7921, 28.7503, 34.6037

Trichromacy



Original Color

41.6449, 28.8268, 97.9769



Protanomaly

34.7435, 28.4811, 98.2740



Deuteranomaly

32.6649, 28.1076, 94.9705



Tritanomaly

32.4263, 28.2854, 53.0408

Monochromacy



Original Color

41.6449, 28.8268, 97.9769



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

32.1233, 28.7913, 51.4411

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6449, 28.8268, 97.9769 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(173, 117, 255)` looks like.

```
.text, #text, p{  
    color:rgb(173, 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(173, 117, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 117, 255) }
```

Border

The CSS property to change the border of an element to XYZ 41.6449, 28.8268, 97.9769 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(173, 117, 255) }
```


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

```
.border{ border-color:rgb(173, 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(173, 117, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 117, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 117, 255);  
box-shadow:4px 4px 4px 4px rgb(173, 117,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6449, 28.8268, 97.9769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 117, 255) }
```

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

```
.background{ background-color: rgb(173,  
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](#).

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