

Converting Colors

XYZ(28.4035, 16.0658, 88.7928)

Have a look what the booklet for
XYZ(28.4035, 16.0658, 88.7928)
contains.

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Color

**XYZ(28.4035, 16.0658,
88.7928)**

Conversions

Conversions Part 1

Format	Color
Hex	8447F6
RGB	132, 71, 246
RGB Percent	52%, 28%, 96%
CMY	0.4823, 0.7216, 0.0353
CMYK	0.46, 0.71, 0.00, 0.04
HSL	261°, 91%, 62%
HSV	261°, 71%, 96%
XYZ	28.4035, 16.0658, 88.7928
YIQ	109.1890, -19.8190, 67.3570

Conversions

Conversions Part 2

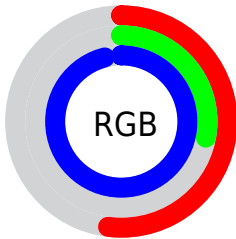
Format	Color
R_{YB}	132, 71, 246
Decimal	8669174
CIE _{Lab}	47.06, 62.47, -78.13
CIE _{LCh}	47, 100.033, 308.645
Yxy	16.0658, 0.2131, 0.1206
Android (android.graphics.Color)	4286859254 (0xFF8447F6)
YUV	109.1890, 67.4478, 20.0052
Hunter-Lab	40.0822, 56.3470, -103.2858

Details

The XYZ color **28.4035, 16.0658, 88.7928** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **54.0997, 76.6805, 17.9107**, and the grayscale version is **14.4088, 15.1592, 16.5083**.

A 20% lighter version of the original color is **47.2500, 32.9728, 98.4818**, and **11.5807, 5.0991, 47.9508** is the 20% darker color. If you saturate the color by 10%, you get **24.8272, 12.3509, 88.2646**, and if you desaturate by 10%, it is **32.9992, 21.2454, 89.5507**.

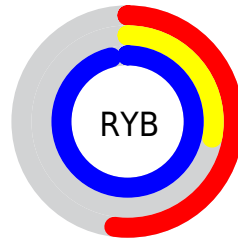
Distribution



Red (52%)

Green (28%)

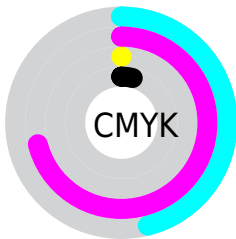
Blue (96%)



Red (52%)

Yellow (28%)

Blue (96%)

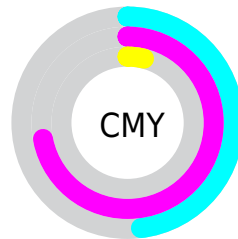


Cyan (46%)

Magenta (71%)

Yellow (0%)

Black (4%)



Cyan (48%)


Magenta (72%)


Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.4035, 16.0658, 88.7928 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 28.4035, 16.0658, 88.7928 by changing the saturation by 10% instead.

 28.4035, 16.0658,
88.7928


 28.4035, 16.0658,
88.7928

286.4352,
229.7297, 544.5644


 18.7720, 9.5707,
66.4118

 56.5322, 36.7124,
147.5812


 11.6087, 5.1153,
48.1482


 75.7601, 51.6327,
184.8257


 6.5481, 2.3151,
33.5834


 98.9175, 70.1302,
227.8618

 3.2249, 0.7817,
22.2990

 126.3699, 92.5893,
277.1079

 1.2738, 0.0000,
13.8763

 158.4825,
119.3945, 332.9827

 0.1635, 0.0000,
7.8969

195.6206,

 0.0000, 0.0000,

150.9299, 395.9047

3.9422

238.1498,
187.5802, 466.2925

■ 0.0000, 0.0000,
1.5937

■ 0.0000, 0.0000,
0.2863

■ 28.4035, 16.0658,
88.7928

■ 28.4035, 16.0658,
88.7928

■ 24.8272, 12.3509,
88.2646

■ 32.9992, 21.2454,
89.5507

■ 22.1684, 9.9269,
87.9369

■ 38.6962, 28.0332,
90.5606

■ 20.4499, 8.6207,
87.7753

■ 45.5702, 36.5563,
91.8435

■ 53.6889, 46.9285,
93.4176

63.1146, 59.2535,
95.2998

73.9051, 73.6274,
97.5055

86.1147, 90.1396,
100.0492

93.6346, 99.4339,
101.4468

Harmonies

Analogous

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



17.9469, 16.0658, 121.8115



28.4035, 16.0658, 88.7928



36.9683, 16.0658, 41.6235

Triad

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



28.4035, 16.0658, 88.7928



22.2687, 16.0658, 0.0000



3.9313, 16.0658, 25.8004

Complementary

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



28.4035, 16.0658, 88.7928



54.0997, 76.6805, 17.9107

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.



4.3354, 16.0658, 5.1436



28.4035, 16.0658, 88.7928



12.8735, 16.0658, 0.0000

Square

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



28.4035, 16.0658, 88.7928



32.5849, 16.0658, 1.3470



6.9760, 16.0658, 0.2105



5.5248, 16.0658, 68.2880

Rectangle

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



28.4035, 16.0658, 88.7928



39.0859, 16.0658, 18.6597



6.9760, 16.0658, 0.2105



3.8562, 16.0658, 16.3758

Sweetspot

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



28.4044, 16.0663, 88.7932



68.5925, 64.4374, 103.4302



37.1453, 43.8178, 93.6891



14.0440, 12.9523, 22.0098



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.



28.4044, 16.0663, 88.7932



25.6658, 12.1869, 95.6073



47.4537, 25.8866, 89.6847



16.1260, 16.2076, 20.8210



11.0517, 4.6717, 46.8573



1.0780, 0.4656, 4.1233

Inverse Universe

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



49.0159, 27.6020, 48.6406



50.1225, 25.9348, 45.2462



39.3672, 69.0856, 17.2212



16.9539, 16.6644, 19.5040



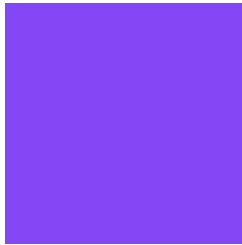
23.7532, 11.8447, 19.2066



2.1361, 1.0604, 1.9432

Previews

White Background



This preview shows how the XYZ color 28.4035, 16.0658, 88.7928 looks on a white background.

Color Contrast Check

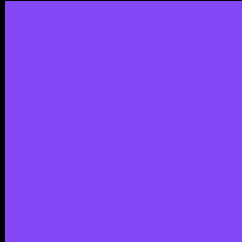
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 28.4035, 16.0658, 88.7928 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

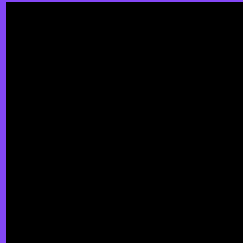
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.4035, 16.0658, 88.7928

Background



This preview shows how black text looks on a background with the XYZ color 28.4035, 16.0658, 88.7928.



This preview shows how white text looks on a background with the XYZ color 28.4035, 16.0658,

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

28.4035, 16.0658, 88.7928

Protanopia

19.1228, 16.0614, 74.7653

Deuteranopia

15.9811, 16.0201, 54.4745



Tritanopia

14.6735, 15.9247, 20.7128

Trichromacy



Original Color

28.4035, 16.0658, 88.7928



Protanomaly

20.0729, 14.5743, 79.5971



Deuteranomaly

17.7242, 14.2188, 65.4287



Tritanomaly

18.0248, 14.9701, 38.4987

Monochromacy



Original Color

28.4035, 16.0658, 88.7928



Achromatopsia

14.5356, 15.2926, 16.6537



Achromatomaly

17.6863, 14.4695, 34.6616

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4035, 16.0658, 88.7928 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(132, 71, 246)` looks like.

```
.text, #text, p{  
    color:rgb(132, 71, 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(132, 71, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 71, 246) }
```

Border

The CSS property to change the border of an element to XYZ 28.4035, 16.0658, 88.7928 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(132, 71, 246) }
```


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

```
.border{ border-color:rgb(132, 71, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 71, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 71, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 71, 246);  
box-shadow:4px 4px 4px 4px rgb(132, 71,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4035, 16.0658, 88.7928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 71, 246) }
```

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

```
.background{ background-color: rgb(132, 71,  
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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