

Converting Colors

XYZ(28.4397, 16.7747, 54.3741)

Have a look what the booklet for
XYZ(28.4397, 16.7747, 54.3741)
contains.

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Color

**XYZ(28.4167, 16.7364,
54.5560)**

Conversions

Conversions Part 1

Format	Color
Hex	A846C5
RGB	168, 70, 197
RGB Percent	66%, 27%, 77%
CMY	0.3412, 0.7255, 0.2274
CMYK	0.15, 0.64, 0.00, 0.23
HSL	286°, 52%, 52%
HSV	286°, 64%, 77%
XYZ	28.4167, 16.7364, 54.5560
YIQ	113.7800, 17.6410, 60.2730

Conversions

Conversions Part 2

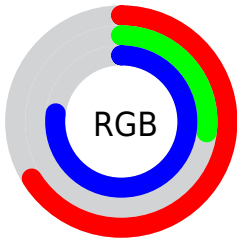
Format	Color
R_{YB}	168, 70, 197
Decimal	11028165
CIE _{Lab}	47.93, 58.79, -48.63
CIE _{LCh}	48, 76.300, 320.401
Yxy	16.7364, 0.2850, 0.1679
Android (android.graphics.Color)	4289218245 (0xFFA846C5)
YUV	113.7800, 41.0275, 47.5509
Hunter-Lab	40.9101, 52.3956, -50.4295

Details

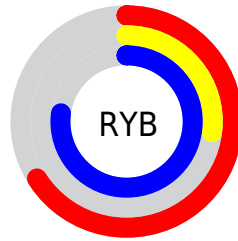
The XYZ color **28.4167, 16.7364, 54.5560** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **26.2178, 43.0277, 12.7183**, and the grayscale version is **15.8066, 16.6298, 18.1099**.

A 20% lighter version of the original color is **56.4611, 37.7398, 98.0746**, and **11.5754, 5.4194, 26.0271** is the 20% darker color. If you saturate the color by 10%, you get **26.4394, 14.1783, 54.1667**, and if you desaturate by 10%, it is **30.8326, 20.1211, 55.0822**.

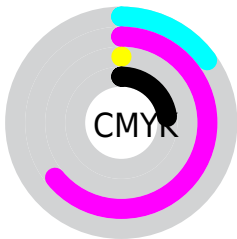
Distribution



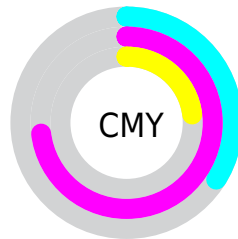
- Red (66%)
- Green (27%)
- Blue (77%)



- Red (66%)
- Yellow (27%)
- Blue (77%)



- Cyan (15%)
- Magenta (64%)
- Yellow (0%)
- Black (23%)





- Cyan (34%)
- Magenta (73%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.4167, 16.7364, 54.5560 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 28.4167, 16.7364, 54.5560 by changing the saturation by 10% instead.


 28.4167, 16.7364,
54.5560


 28.4167, 16.7364,
54.5560


286.4968,
233.6487, 421.4611


 18.7821, 10.0467,
38.6502


 56.5530, 37.8720,
98.3547


 11.6160, 5.4300,
26.1819


 75.7855, 53.0867,
127.0847

 6.5531, 2.5017,
16.7328


 98.9479, 71.9119,
160.9265

 3.2280, 0.8775,
9.8842

 126.4056, 94.7320,
200.2986

 1.2755, 0.0000,
5.2177

 158.5240,
121.9313, 245.6195

 0.1647, 0.0000,
2.3146

195.6684,

 0.0000, 0.0000,

153.8942, 297.3079

0.7394

238.2043,
191.0053, 355.7823

■ 0.0000, 0.0000,
0.0000

■ 28.4167, 16.7364,
54.5560

■ 28.4167, 16.7364,
54.5560

■ 26.4394, 14.1783,
54.1667

■ 30.8326, 20.1211,
55.0822

■ 24.8570, 12.3621,
53.8996

■ 33.7211, 24.4018,
55.7563

■ 23.6198, 11.1883,
53.7382

■ 37.1148, 29.6431,
56.5891

■ 23.0303, 10.7083,
53.6766

■ 41.0431, 35.9027,
57.5902

■ 45.5326, 43.2338,
58.7687

■ 50.6085, 51.6859,
60.1326

■ 56.2940, 61.3055,
61.6897

■ 62.6114, 72.1362,
63.4473

■ 69.5814, 84.2195,
65.4122

Harmonies

Analogous

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



20.9730, 16.7364, 81.6880



28.4167, 16.7364, 54.5560



32.8183, 16.7364, 25.2901

Triad

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



28.4167, 16.7364, 54.5560



18.2142, 16.7364, 0.5173



6.4582, 16.7364, 34.8557

Complementary

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



28.4167, 16.7364, 54.5560



26.2178, 43.0277, 12.7183

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.



6.1116, 16.7364, 12.6130



28.4167, 16.7364, 54.5560



11.7313, 16.7364, 0.7773

Square

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



28.4167, 16.7364, 54.5560



25.9046, 16.7364, 1.8511



7.7432, 16.7364, 3.1788



8.8836, 16.7364, 65.7047

Rectangle

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



28.4167, 16.7364, 54.5560



32.7662, 16.7364, 12.2087



7.7432, 16.7364, 3.1788



6.1286, 16.7364, 25.9454

Sweetspot

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



28.4174, 16.7371, 54.5564



77.5403, 70.8497, 104.1963



17.1265, 14.3782, 54.6962



16.1052, 14.3643, 22.1737



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.



28.4174, 16.7371, 54.5564



46.2216, 24.0380, 96.8114



31.8394, 18.9003, 36.6836



10.8371, 10.6898, 13.4097



15.2234, 7.0822, 35.3090



0.7805, 0.3661, 1.6747

Inverse Universe

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



27.4687, 17.1521, 13.6678



45.2586, 25.3411, 15.4657



24.9845, 42.2317, 19.8967



10.7314, 10.6760, 11.5690



15.4833, 7.9429, 2.4892



0.7618, 0.3876, 0.2687

Previews

White Background



This preview shows how the XYZ color 28.4167, 16.7364, 54.5560 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 28.4167, 16.7364, 54.5560 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

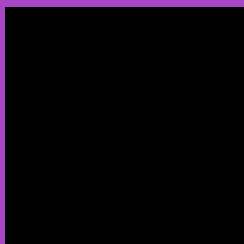
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.4167, 16.7364, 54.5560

Background



This preview shows how black text looks on a background with the XYZ color 28.4167, 16.7364, 54.5560.



This preview shows how white text looks on a background with the XYZ color 28.4167, 16.7364,

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

28.4167, 16.7364, 54.5560

Protanopia

20.4272, 17.0924, 80.0644

Deuteranopia

17.4960, 17.0594, 50.5148



Tritanopia

20.4351, 16.7238, 15.5156

Trichromacy



Original Color

28.4167, 16.7364, 54.5560



Protanomaly

19.0678, 14.3970, 70.1805



Deuteranomaly

19.4558, 15.5542, 51.8460



Tritanomaly

22.5744, 16.2880, 25.9989

Monochromacy



Original Color

28.4167, 16.7364, 54.5560



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

19.2332, 15.8173, 28.4249

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4167, 16.7364, 54.5560 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(168, 70, 197)` looks like.

```
.text, #text, p{  
    color:rgb(168, 70, 197)  
}
```

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(168, 70, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 70, 197) }
```

Border

The CSS property to change the border of an element to XYZ 28.4167, 16.7364, 54.5560 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(168, 70, 197) }
```


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

```
.border{ border-color:rgb(168, 70, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 70, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 70, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 70, 197);  
box-shadow:4px 4px 4px 4px rgb(168, 70,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4167, 16.7364, 54.5560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 70, 197) }
```

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

```
.background{ background-color: rgb(168, 70,  
197) }
```

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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