

Converting Colors

XYZ(28.7922, 16.0775, 58.7134)

Have a look what the booklet for
XYZ(28.7922, 16.0775, 58.7134)
contains.

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Color

**XYZ(28.7163, 16.0220,
58.7058)**

Conversions

Conversions Part 1

Format	Color
Hex	A83DCC
RGB	168, 61, 204
RGB Percent	66%, 24%, 80%
CMY	0.3412, 0.7608, 0.2000
CMYK	0.18, 0.70, 0.00, 0.20
HSL	285°, 58%, 52%
HSV	285°, 70%, 80%
XYZ	28.7163, 16.0220, 58.7058
YIQ	109.2950, 17.8690, 67.1570

Conversions

Conversions Part 2

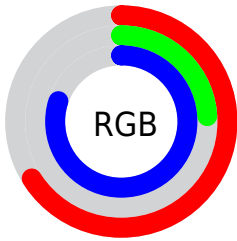
Format	Color
R_{YB}	168, 61, 204
Decimal	11025868
CIE _{Lab}	47.00, 63.94, -54.15
CIE _{LCh}	47, 83.791, 319.737
Yxy	16.0220, 0.2776, 0.1549
Android (android.graphics.Color)	4289215948 (0xFFA83DCC)
YUV	109.2950, 46.6896, 51.4843
Hunter-Lab	40.0275, 58.0104, -58.9377

Details

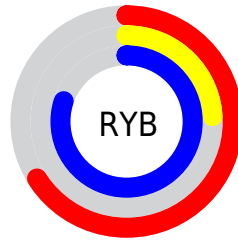
The XYZ color **28.7163, 16.0220, 58.7058** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **27.3654, 46.0644, 11.8645**, and the grayscale version is **14.4884, 15.2429, 16.5995**.

A 20% lighter version of the original color is **55.7753, 36.1113, 98.6382**, and **11.9804, 5.5494, 28.8735** is the 20% darker color. If you saturate the color by 10%, you get **26.7554, 13.6907, 58.3594**, and if you desaturate by 10%, it is **31.1357, 19.2047, 59.1929**.

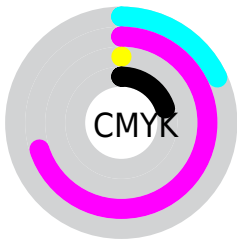
Distribution



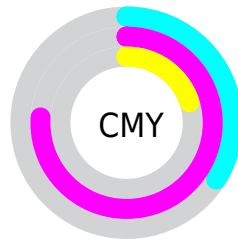
- Red (66%)
- Green (24%)
- Blue (80%)



- Red (66%)
- Yellow (24%)
- Blue (80%)



- Cyan (18%)
- Magenta (70%)
- Yellow (0%)
- Black (20%)



- Cyan (34%)
- Magenta (76%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7163, 16.0220, 58.7058 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 28.7163, 16.0220, 58.7058 by changing the saturation by 10% instead.

■ 28.7163, 16.0220,
58.7058

■ 28.7163, 16.0220,
58.7058

287.8924,
229.4715, 437.4823

■ 19.0095, 9.5397,
41.9579

■ 57.0267, 36.6364,
104.4749

■ 11.7812, 5.0949,
28.7430

■ 76.3611, 51.5373,
134.3331

■ 6.6660, 2.3030,
18.6426

■ 99.6353, 70.0132,
169.3985

■ 3.2986, 0.7753,
11.2381

■ 127.2148, 92.4485,
210.0897

■ 1.3136, 0.0000,
6.1110

■ 159.4649,
119.2276, 256.8251

■ 0.1933, 0.0000,
2.8428

196.7510,

■ 0.0000, 0.0000,

150.7348, 310.0233

1.0150

239.4384,
187.3547, 370.1028

■ 0.0000, 0.0000,
0.0000

■ 28.7163, 16.0220,
58.7058

■ 28.7163, 16.0220,
58.7058

■ 26.7554, 13.6907,
58.3594

■ 31.1357, 19.2047,
59.1929

■ 25.2006, 12.1090,
58.1361

■ 34.0542, 23.3213,
59.8336

■ 23.9690, 11.0974,
58.0057

■ 37.5096, 28.4464,
60.6408

■ 41.5357, 34.6466,
61.6253

■ 46.1632, 41.9826,
62.7974

■ 51.4204, 50.5106,
64.1664

■ 57.3340, 60.2830,
65.7410

■ 63.9288, 71.3490,
67.5293

■ 71.2285, 83.7551,
69.5392

Harmonies

Analogous

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



20.5019, 16.0220, 89.7103



28.7163, 16.0220, 58.7058



33.7365, 16.0220, 25.6720

Triad

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



28.7163, 16.0220, 58.7058



17.8806, 16.0220, 0.0000



5.4407, 16.0220, 34.9378

Complementary

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



28.7163, 16.0220, 58.7058



27.3654, 46.0644, 11.8645

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.



5.1429, 16.0220, 11.1956



28.7163, 16.0220, 58.7058



10.9470, 16.0220, 0.1518

Square

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



28.7163, 16.0220, 58.7058



26.2763, 16.0220, 1.2145



6.8058, 16.0220, 2.1998



7.8141, 16.0220, 69.9418

Rectangle

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



28.7163, 16.0220, 58.7058



33.7747, 16.0220, 11.4698



6.8058, 16.0220, 2.1998



5.1320, 16.0220, 25.2020

Sweetspot

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



28.7170, 16.0226, 58.7062



75.4948, 67.9957, 103.7532



17.2987, 14.3015, 58.9758



15.6854, 13.7985, 22.0866



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.



28.7170, 16.0226, 58.7062



42.9440, 21.2202, 96.4402



33.8868, 19.1017, 40.2467



11.4011, 11.2561, 14.1421



15.1756, 7.0308, 36.5135



0.8499, 0.3973, 1.8868

Inverse Universe

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



28.7287, 17.0385, 13.0845



44.0790, 23.6533, 13.0030



25.5547, 44.9930, 18.0146



11.3263, 11.2592, 12.2527



16.0866, 8.2452, 2.9085



0.8613, 0.4379, 0.3156

Previews

White Background



This preview shows how the XYZ color 28.7163, 16.0220, 58.7058 looks on a white background.

Color Contrast Check

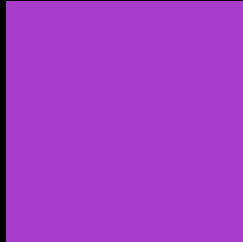
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.7163, 16.0220, 58.7058 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

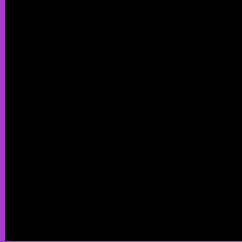
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.7163, 16.0220, 58.7058

Background



This preview shows how black text looks on a background with the XYZ color 28.7163, 16.0220, 58.7058.



This preview shows how white text looks on a background with the XYZ color 28.7163, 16.0220,

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

28.7163, 16.0220, 58.7058

Protanopia

19.5054, 16.3823, 76.2628

Deuteranopia

16.7942, 16.2859, 53.8881



Tritanopia

19.6274, 15.9160, 14.6080

Trichromacy



Original Color

28.7163, 16.0220, 58.7058



Protanomaly

18.5838, 13.6416, 69.3638



Deuteranomaly

18.3156, 14.2065, 55.2029



Tritanomaly

21.8540, 15.3197, 26.2313

Monochromacy



Original Color

28.7163, 16.0220, 58.7058



Achromatopsia

14.5356, 15.2926, 16.6537



Achromatomaly

18.0671, 14.4137, 28.2154

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7163, 16.0220, 58.7058 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, 61, 204)` looks like.

```
.text, #text, p{  
    color:rgb(168, 61, 204)  
}
```

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, 61, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 61, 204) }
```

Border

The CSS property to change the border of an element to XYZ 28.7163, 16.0220, 58.7058 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, 61, 204) }
```


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

```
.border{ border-color:rgb(168, 61, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 61, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 61, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 61, 204);  
box-shadow:4px 4px 4px 4px rgb(168, 61,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7163, 16.0220, 58.7058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 61, 204) }
```

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

```
.background{ background-color: rgb(168, 61,  
204) }
```

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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