

Converting Colors

XYZ(28.5652, 16.4410, 53.6084)

Have a look what the booklet for
XYZ(28.5652, 16.4410, 53.6084)
contains.

XYZ(28.7066, 16.5399, 53.9041)	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(28.7066, 16.5399,
53.9041)**

Conversions

Conversions Part 1

Format	Color
Hex	AB42C4
RGB	171, 66, 196
RGB Percent	67%, 26%, 77%
CMY	0.3294, 0.7412, 0.2314
CMYK	0.13, 0.66, 0.00, 0.23
HSL	288°, 52%, 51%
HSV	288°, 66%, 77%
XYZ	28.7066, 16.5399, 53.9041
YIQ	112.2150, 20.8500, 62.6900

Conversions

Conversions Part 2

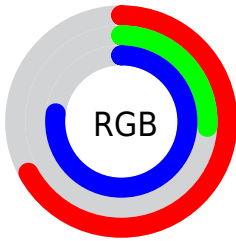
Format	Color
R_{YB}	171, 66, 196
Decimal	11223748
CIE _{Lab}	47.67, 61.01, -48.43
CIE _{LCh}	48, 77.894, 321.555
Yxy	16.5399, 0.2895, 0.1668
Android (android.graphics.Color)	4289413828 (0xFFAB42C4)
YUV	112.2150, 41.3060, 51.5544
Hunter-Lab	40.6693, 54.8238, -50.1160

Details

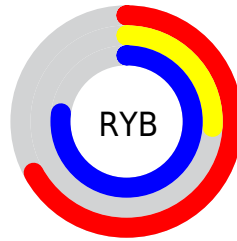
The XYZ color **28.7066, 16.5399, 53.9041** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **25.0382, 42.0978, 11.9610**, and the grayscale version is **15.3432, 16.1423, 17.5789**.

A 20% lighter version of the original color is **56.8801, 37.4246, 97.1543**, and **11.8779, 5.5679, 25.6480** is the 20% darker color. If you saturate the color by 10%, you get **26.9422, 14.2121, 53.5480**, and if you desaturate by 10%, it is **30.8879, 19.6656, 54.3927**.

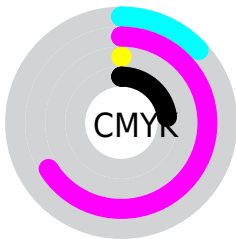
Distribution



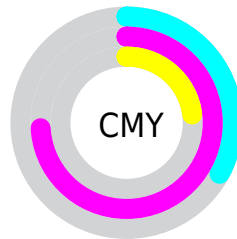
- Red (67%)
- Green (26%)
- Blue (77%)



- Red (67%)
- Yellow (26%)
- Blue (77%)



- Cyan (13%)
- Magenta (66%)
- Yellow (0%)
- Black (23%)





- Cyan (33%)
- Magenta (74%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.7066, 16.5399, 53.9041 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 28.7066, 16.5399, 53.9041 by changing the saturation by 10% instead.

 28.7066, 16.5399,
53.9041

 28.7066, 16.5399,
53.9041


287.8473,
232.5068, 418.9085


 19.0021, 9.9070,
38.1323


 57.0114, 37.5330,
97.3884


 11.7758, 5.3373,
25.7828


 76.3425, 52.6620,
125.9380

 6.6623, 2.4465,
16.4369


 99.6131, 71.3918,
159.5840

 3.2963, 0.8497,
9.6762

 127.1886, 94.1068,
198.7449

 1.3123, 0.0000,
5.0820

 159.4345,
121.1914, 243.8393

 0.1924, 0.0000,
2.2359

196.7160,

 0.0000, 0.0000,

153.0300, 295.2856

0.6950

239.3985,
190.0070, 353.5025

■ 0.0000, 0.0000,
0.0000

■ 28.7066, 16.5399,
53.9041

■ 28.7066, 16.5399,
53.9041

■ 26.9422, 14.2121,
53.5480

■ 30.8879, 19.6656,
54.3927

■ 25.5506, 12.5960,
53.3094

■ 33.5205, 23.6594,
55.0248

■ 24.4782, 11.5840,
53.1706

■ 36.6373, 28.5861,
55.8115

■ 24.1252, 11.2860,
53.1317

■ 40.2673, 34.5038,
56.7624

■ 44.4373, 41.4656,
57.8864

■ 49.1722, 49.5212,
59.1917

■ 54.4953, 58.7166,
60.6861

■ 60.4285, 69.0956,
62.3767

■ 66.9926, 80.6994,
64.2705

Harmonies

Analogous

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



21.1688, 16.5399, 82.3637



28.7066, 16.5399, 53.9041



33.0250, 16.5399, 24.2458

Triad

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



28.7066, 16.5399, 53.9041



17.7695, 16.5399, 0.3600



6.2687, 16.5399, 36.0827

Complementary

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



28.7066, 16.5399, 53.9041



25.0382, 42.0978, 11.9610

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.



5.8499, 16.5399, 12.9457



28.7066, 16.5399, 53.9041



11.2981, 16.5399, 0.6818

Square

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



28.7066, 16.5399, 53.9041



25.5978, 16.5399, 1.5795



7.3951, 16.5399, 3.1432



8.7806, 16.5399, 67.8059

Rectangle

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



28.7066, 16.5399, 53.9041



32.8185, 16.5399, 11.3703



7.3951, 16.5399, 3.1432



5.9154, 16.5399, 26.8306

Sweetspot

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



28.7073, 16.5406, 53.9045



77.3662, 69.8528, 104.0130



16.0384, 12.7989, 53.8500



16.1006, 14.1859, 22.1395



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.



28.7073, 16.5406, 53.9045



47.4848, 24.1516, 96.7667



30.7995, 18.0671, 33.7630



10.3013, 10.1465, 12.7004



15.5708, 7.2875, 34.1426



0.7227, 0.3406, 1.4775

Inverse Universe

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



26.6020, 16.3882, 11.6594



44.2791, 24.3698, 12.0944



24.5371, 41.6585, 20.1131



10.1506, 10.1088, 10.8836



14.8734, 7.6391, 1.9796



0.6669, 0.3398, 0.2135

Previews

White Background



This preview shows how the XYZ color 28.7066, 16.5399, 53.9041 looks on a white background.

Color Contrast Check

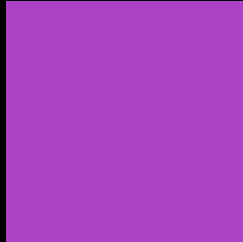
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.7066, 16.5399, 53.9041 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

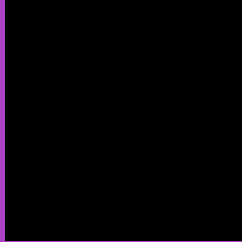
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.7066, 16.5399, 53.9041

Background



This preview shows how black text looks on a background with the XYZ color 28.7066, 16.5399, 53.9041.



This preview shows how white text looks on a background with the XYZ color 28.7066, 16.5399,

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

28.7066, 16.5399, 53.9041

Protanopia

20.1766, 16.8205, 79.2740

Deuteranopia

17.3412, 16.8237, 49.9103



Tritanopia

20.5910, 16.4128, 14.6531

Trichromacy



Original Color

28.7066, 16.5399, 53.9041



Protanomaly

18.8192, 14.0201, 69.4244



Deuteranomaly

19.3876, 15.2540, 51.2127



Tritanomaly

22.7185, 15.9048, 25.1651

Monochromacy



Original Color

28.7066, 16.5399, 53.9041



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

18.7230, 15.1541, 27.9248

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7066, 16.5399, 53.9041 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(171, 66, 196)` looks like.

```
.text, #text, p{  
    color:rgb(171, 66, 196)  
}
```

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(171, 66, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 66, 196) }
```

Border

The CSS property to change the border of an element to XYZ 28.7066, 16.5399, 53.9041 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(171, 66, 196) }
```


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

```
.border{ border-color:rgb(171, 66, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 66, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 66, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 66, 196);  
box-shadow:4px 4px 4px 4px rgb(171, 66,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7066, 16.5399, 53.9041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 66, 196) }
```

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

```
.background{ background-color: rgb(171, 66,  
196) }
```

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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