

Converting Colors

XYZ(28.0752, 17.8190, 51.3941)

Have a look what the booklet for
XYZ(28.0752, 17.8190, 51.3941)
contains.

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Color

**XYZ(28.1471, 17.9032,
51.2624)**

Conversions

Conversions Part 1

Format	Color
Hex	A652BF
RGB	166, 82, 191
RGB Percent	65%, 32%, 75%
CMY	0.3490, 0.6784, 0.2510
CMYK	0.13, 0.57, 0.00, 0.25
HSL	286°, 46%, 54%
HSV	286°, 57%, 75%
XYZ	28.1471, 17.9032, 51.2624
YIQ	119.5420, 15.0750, 51.7070

Conversions

Conversions Part 2

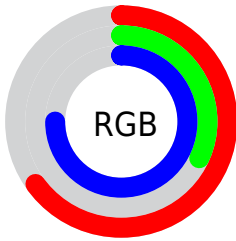
Format	Color
R_{YB}	166, 82, 191
Decimal	10900159
CIE _{Lab}	49.38, 51.47, -42.87
CIE _{LCh}	49, 66.983, 320.211
Yxy	17.9032, 0.2892, 0.1840
Android (android.graphics.Color)	4289090239 (0xFFA652BF)
YUV	119.5420, 35.2288, 40.7437
Hunter-Lab	42.3122, 44.6963, -42.2130

Details

The XYZ color **28.1471, 17.9032, 51.2624** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **26.2179, 40.9971, 14.5149**, and the grayscale version is **17.5954, 18.5118, 20.1593**.

A 20% lighter version of the original color is **56.0387, 39.7932, 93.5342**, and **11.4628, 5.9695, 24.2150** is the 20% darker color. If you saturate the color by 10%, you get **25.9995, 14.9477, 50.8054**, and if you desaturate by 10%, it is **30.7281, 21.6779, 51.8552**.

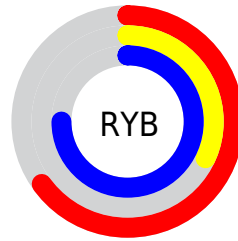
Distribution



Red (65%)

Green (32%)

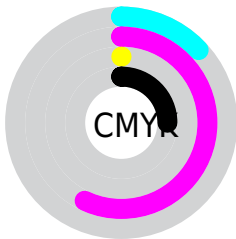
Blue (75%)



Red (65%)

Yellow (32%)

Blue (75%)

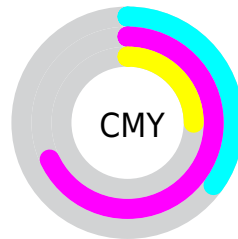


Cyan (13%)

Magenta (57%)

Yellow (0%)

Black (25%)



Cyan (35%)

Magenta (68%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.1471, 17.9032, 51.2624 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 28.1471, 17.9032, 51.2624 by changing the saturation by 10% instead.

■ 28.1471, 17.9032,
51.2624

■ 28.1471, 17.9032,
51.2624

285.2365,
240.3249, 408.4580

■ 18.5776, 10.8805,
36.0393

■ 56.1262, 39.8723,
93.4580

■ 11.4677, 5.9865,
24.1746

■ 75.2665, 55.5875,
121.2676

■ 6.4519, 2.8369,
15.2498

■ 98.3278, 74.9690,
154.1097

■ 3.1650, 1.0472,
8.8463

■ 125.6755, 98.4012,
192.4030

■ 1.2416, 0.0000,
4.5456

■ 157.6748,
126.2685, 236.5659

■ 0.1389, 0.0000,
1.9292

194.6912,

■ 0.0000, 0.0000,

158.9553, 287.0170

0.5112

237.0900,
196.8459, 344.1749

■ 0.0000, 0.0000,
0.0000

■ 28.1471, 17.9032,
51.2624

■ 28.1471, 17.9032,
51.2624

■ 25.9995, 14.9477,
50.8054

■ 30.7281, 21.6779,
51.8552

■ 24.2489, 12.7406,
50.4717

■ 33.7711, 26.3303,
52.5929

■ 22.8556, 11.2029,
50.2483

■ 37.3044, 31.9159,
53.4848

■ 21.7643, 10.2239,
50.1168

■ 41.3534, 38.4852,
54.5394

■ 21.4713, 9.9825,
50.0857

■ 45.9417, 46.0848,
55.7644

■ 51.0913, 54.7585,
57.1672

■ 56.8230, 64.5474,
58.7545

■ 63.1566, 75.4905,
60.5330

■ 70.1107, 87.6248,
62.5086

Harmonies

Analogous

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



21.5622, 17.9032, 73.6711



28.1471, 17.9032, 51.2624



31.9935, 17.9032, 26.0189

Triad

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



28.1471, 17.9032, 51.2624



19.1640, 17.9032, 1.3874



7.9806, 17.9032, 34.1329

Complementary

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



28.1471, 17.9032, 51.2624



26.2179, 40.9971, 14.5149

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.



7.6411, 17.9032, 14.1620



28.1471, 17.9032, 51.2624



13.1592, 17.9032, 1.6873

Square

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



28.1471, 17.9032, 51.2624



26.0229, 17.9032, 3.1276



9.2918, 17.9032, 4.6394



10.3724, 17.9032, 60.2456

Rectangle

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



28.1471, 17.9032, 51.2624



31.9698, 17.9032, 13.9591



9.2918, 17.9032, 4.6394



7.6502, 17.9032, 26.3259

Sweetspot

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



28.1478, 17.9039, 51.2628



73.9070, 68.6698, 97.6384



18.1874, 16.1623, 51.4516



15.8896, 14.5235, 21.3511



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.1478, 17.9039, 51.2628



45.8797, 25.8731, 90.8550



31.0194, 19.7180, 36.3231



9.7102, 9.5830, 12.0101



14.1833, 6.5979, 32.9189



0.6089, 0.2859, 1.2920

Inverse Universe

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



27.1576, 18.1733, 15.9873



44.5423, 26.7534, 19.8717



24.9840, 40.2051, 21.5027



9.6174, 9.5713, 10.3743



14.4427, 7.4082, 2.3588



0.5916, 0.3005, 0.2284

Previews

White Background



This preview shows how the XYZ color 28.1471, 17.9032, 51.2624 looks on a white background.

Color Contrast Check

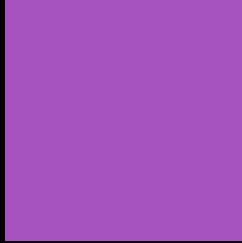
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.1471, 17.9032, 51.2624 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

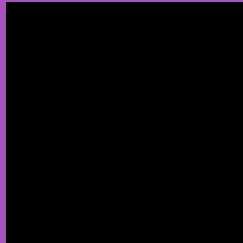
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.1471, 17.9032, 51.2624

Background



This preview shows how black text looks on a background with the XYZ color 28.1471, 17.9032, 51.2624.



This preview shows how white text looks on a background with the XYZ color 28.1471, 17.9032,

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

28.1471, 17.9032, 51.2624

Protanopia

21.0656, 18.2692, 71.5233

Deuteranopia

18.6098, 18.2114, 47.8817



Tritanopia

21.2371, 17.8168, 17.3586

Trichromacy



Original Color

28.1471, 17.9032, 51.2624

Protanomaly

21.6548, 16.8585, 63.7407

Deuteranomaly

20.8313, 17.2017, 49.2360

Tritanomaly

23.1239, 17.4488, 26.9601

Monochromacy



Original Color

28.1471, 17.9032, 51.2624

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

20.6589, 17.7018, 29.5221

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1471, 17.9032, 51.2624 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(166, 82, 191)` looks like.

```
.text, #text, p{  
    color:rgb(166, 82, 191)  
}
```

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(166, 82, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 82, 191) }
```

Border

The CSS property to change the border of an element to XYZ 28.1471, 17.9032, 51.2624 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(166, 82, 191) }
```


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

```
.border{ border-color:rgb(166, 82, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 82, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 82, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 82, 191);  
box-shadow:4px 4px 4px 4px rgb(166, 82,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 28.1471, 17.9032, 51.2624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 82, 191) }
```

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

```
.background{ background-color: rgb(166, 82,  
191) }
```

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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