

Converting Colors

XYZ(28.2775, 16.9110, 41.7987)

Have a look what the booklet for
XYZ(28.2775, 16.9110, 41.7987)
contains.

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Color

**XYZ(28.4205, 17.0200,
41.8317)**

Conversions

Conversions Part 1

Format	Color
Hex	B346AE
RGB	179, 70, 174
RGB Percent	70%, 27%, 68%
CMY	0.2980, 0.7255, 0.3176
CMYK	0.00, 0.61, 0.03, 0.30
HSL	303°, 44%, 49%
HSV	303°, 61%, 70%
XYZ	28.4205, 17.0200, 41.8317
YIQ	114.4470, 31.5800, 55.4520

Conversions

Conversions Part 2

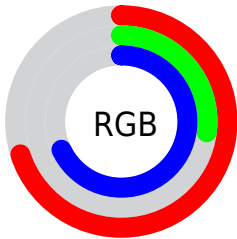
Format	Color
RYB	179, 70, 174
Decimal	11749038
CIELab	48.29, 57.26, -34.56
CIELCh	48, 66.878, 328.888
Yxy	17.0200, 0.3257, 0.1950
Android (android.graphics.Color)	4289939118 (0xFFB346AE)
YUV	114.4470, 29.3596, 56.6130
Hunter-Lab	41.2553, 50.7707, -31.2397

Details

The XYZ color **28.4205, 17.0200, 41.8317** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **19.9166, 34.0509, 12.1804**, and the grayscale version is **16.0370, 16.8722, 18.3738**.

A 20% lighter version of the original color is **56.5416, 38.3849, 79.2919**, and **11.6196, 5.5914, 18.5560** is the 20% darker color. If you saturate the color by 10%, you get **27.3835, 15.0733, 41.0924**, and if you desaturate by 10%, it is **29.7929, 19.6358, 42.6855**.

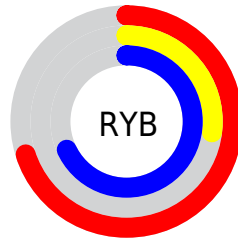
Distribution



Red (70%)

Green (27%)

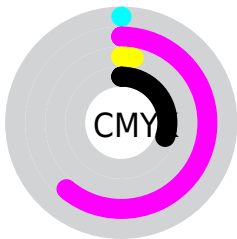
Blue (68%)



Red (70%)

Yellow (27%)

Blue (68%)

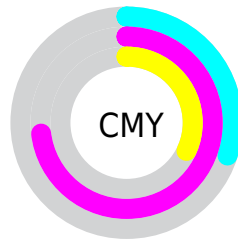


Cyan (0%)

Magenta (61%)

Yellow (3%)

Black (30%)



Cyan (30%)


Magenta (73%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.4205, 17.0200, 41.8317 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 28.4205, 17.0200, 41.8317 by changing the saturation by 10% instead.


 28.4205, 17.0200,
41.8317


 28.4205, 17.0200,
41.8317

286.5146,
235.2876, 369.5639


 18.7849, 10.2488,
28.6449


 56.5591, 38.3602,
79.2122


 11.6181, 5.5642,
18.5691


 75.7928, 53.6979,
104.2430


 6.5545, 2.5819,
11.1857


 98.9566, 72.6598,
134.0589

 3.2289, 0.9176,
6.0761

 126.4159, 95.6305,
169.0785

 1.2760, 0.0000,
2.8219

 158.5359,
122.9942, 209.7202

 0.1651, 0.0000,
1.0044

195.6822,

 0.0000, 0.0000,

155.1353, 256.4026

0.0000

238.2199,
192.4383, 309.5443

■ 28.4205, 17.0200,
41.8317

■ 28.4205, 17.0200,
41.8317

■ 27.3835, 15.0733,
41.0924

■ 29.7929, 19.6358,
42.6855

■ 26.6493, 13.7320,
40.4563

■ 31.5258, 22.9723,
43.6618

■ 26.1824, 12.9243,
39.9116

■ 33.6439, 27.0784,
44.7689

■ 25.9212, 12.5160,
39.4723

■ 36.1693, 31.9983,
46.0142

■ 39.1224, 37.7730,
47.4045

■ 42.5224, 44.4403,
48.9461

■ 46.3869, 52.0362,
50.6451

■ 50.7331, 60.5945,
52.5071

■ 55.5769, 70.1472,
54.5374

Harmonies

Analogous

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



22.5211, 17.0200, 66.1540



28.4205, 17.0200, 41.8317



30.9415, 17.0200, 19.1906

Triad

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



28.4205, 17.0200, 41.8317



16.4054, 17.0200, 1.1571



7.9358, 17.0200, 39.9210

Complementary

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



28.4205, 17.0200, 41.8317



19.9166, 34.0509, 12.1804

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.



7.0646, 17.0200, 17.8884



28.4205, 17.0200, 41.8317



11.1525, 17.0200, 1.9448

Square

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



28.4205, 17.0200, 41.8317



23.0157, 17.0200, 2.0933



8.0781, 17.0200, 6.0408



10.8480, 17.0200, 64.6449

Rectangle

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



28.4205, 17.0200, 41.8317



29.9831, 17.0200, 9.6555



8.0781, 17.0200, 6.0408



7.4326, 17.0200, 31.6506

Sweetspot

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



28.4211, 17.0208, 41.8320



66.0711, 59.8336, 83.0282



13.1235, 9.0772, 43.7087



14.3191, 12.6333, 18.2422



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



28.4211, 17.0208, 41.8320



48.5457, 26.0779, 73.1943



24.2243, 15.3421, 19.7319



8.8329, 8.6399, 10.6182



18.3237, 8.8470, 27.9282



0.5817, 0.2804, 0.9057

Inverse Universe

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



28.4211, 17.0208, 41.8320



48.5457, 26.0779, 73.1943



22.5517, 35.1049, 26.0564



8.8329, 8.6399, 10.6182



18.3237, 8.8470, 27.9282



0.5817, 0.2804, 0.9057

Previews

White Background



This preview shows how the XYZ color 28.4205, 17.0200, 41.8317 looks on a white background.

Color Contrast Check

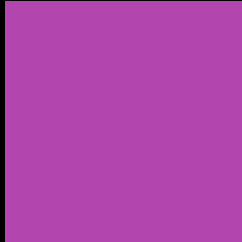
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.4205, 17.0200, 41.8317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

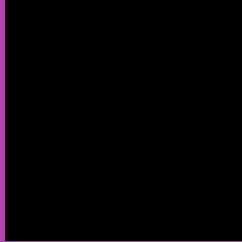
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.4205, 17.0200, 41.8317

Background



This preview shows how black text looks on a background with the XYZ color 28.4205, 17.0200, 41.8317.



This preview shows how white text looks on a background with the XYZ color 28.4205, 17.0200,

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

28.4205, 17.0200, 41.8317

Protanopia

19.8578, 17.4656, 64.6119

Deuteranopia

17.7117, 17.2575, 38.9567



Tritanopia

22.5233, 16.9101, 13.6321

Trichromacy



Original Color

28.4205, 17.0200, 41.8317



Protanomaly

20.4116, 15.6908, 55.3789



Deuteranomaly

20.2276, 16.0733, 40.0666



Tritanomaly

24.0927, 16.5771, 21.6685

Monochromacy



Original Color

28.4205, 17.0200, 41.8317



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

19.2928, 15.9162, 25.3478

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4205, 17.0200, 41.8317 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(179, 70, 174)` looks like.

```
.text, #text, p{  
    color:rgb(179, 70, 174)  
}
```

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(179, 70, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 70, 174) }
```

Border

The CSS property to change the border of an element to XYZ 28.4205, 17.0200, 41.8317 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(179, 70, 174) }
```


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

```
.border{ border-color:rgb(179, 70, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 70, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(179, 70, 174); -webkit-box-shadow:4px 4px 4px 4px rgb(179, 70, 174); box-shadow:4px 4px 4px 4px rgb(179, 70, 174) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4205, 17.0200, 41.8317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 70, 174) }
```

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

```
.background{ background-color: rgb(179, 70,  
174) }
```

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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