

Converting Colors

XYZ(28.7299, 16.3368, 44.8192)

Have a look what the booklet for
XYZ(28.7299, 16.3368, 44.8192)
contains.

XYZ(28.7294, 16.3361, 44.8190)	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(28.7294, 16.3361,
44.8190)**

Conversions

Conversions Part 1

Format	Color
Hex	B43DB4
RGB	180, 61, 180
RGB Percent	71%, 24%, 71%
CMY	0.2941, 0.7608, 0.2941
CMYK	0.00, 0.66, 0.00, 0.29
HSL	300°, 49%, 47%
HSV	300°, 66%, 71%
XYZ	28.7294, 16.3361, 44.8190
YIQ	110.1470, 32.7250, 62.2370

Conversions

Conversions Part 2

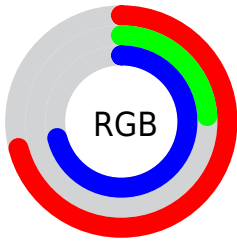
Format	Color
R_{YB}	180, 61, 180
Decimal	11812276
CIE _{Lab}	47.41, 62.23, -39.44
CIE _{LCh}	47, 73.675, 327.631
Yxy	16.3361, 0.3196, 0.1817
Android (android.graphics.Color)	4290002356 (0xFFB43DB4)
YUV	110.1470, 34.4375, 61.2611
Hunter-Lab	40.4179, 56.1478, -37.4535

Details

The XYZ color **28.7294, 16.3361, 44.8190** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **19.0888, 33.9723, 9.9670**, and the grayscale version is **14.7617, 15.5305, 16.9127**.

A 20% lighter version of the original color is **57.0982, 37.1294, 83.5142**, and **12.1429, 5.8174, 20.5615** is the 20% darker color. If you saturate the color by 10%, you get **27.9250, 14.7269, 44.5509**, and if you desaturate by 10%, it is **29.8574, 18.5916, 45.1952**.

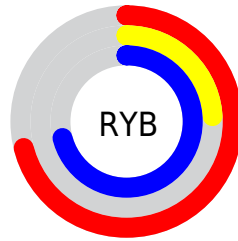
Distribution



Red (71%)

Green (24%)

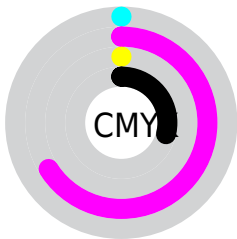
Blue (71%)



Red (71%)

Yellow (24%)

Blue (71%)

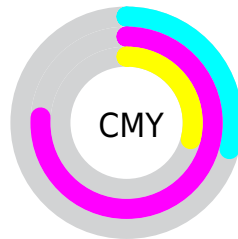


Cyan (0%)

Magenta (66%)

Yellow (0%)

Black (29%)



Cyan (29%)


Magenta (76%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.7294, 16.3361, 44.8190 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 28.7294, 16.3361, 44.8190 by changing the saturation by 10% instead.

 28.7294, 16.3361,
44.8190


 28.7294, 16.3361,
44.8190


287.9533,
231.3169, 382.1787


 19.0195, 9.7623,
30.9730


 57.0474, 37.1807,
83.7643


 11.7884, 5.2416,
20.3200


 76.3862, 52.2203,
109.7007


 6.6710, 2.3897,
12.4415


 99.6653, 70.8506,
140.5042

 3.3017, 0.8206,
6.9189

 127.2501, 93.4561,
176.5935

 1.3152, 0.0000,
3.3338

 159.5060,
120.4210, 218.3870

 0.1946, 0.0000,
1.2675

196.7982,

 0.0000, 0.0000,

152.1299, 266.3034

0.0349

239.4922,
188.9670, 320.7611

■ 0.0000, 0.0000,
0.0000

■ 28.7294, 16.3361,
44.8190

■ 28.7294, 16.3361,
44.8190

■ 27.9250, 14.7269,
44.5509

■ 29.8574, 18.5916,
45.1952

■ 27.4087, 13.6942,
44.3787

■ 31.3362, 21.5492,
45.6882

■ 27.1370, 13.1508,
44.2881

■ 33.1924, 25.2616,
46.3070

■ 27.0609, 12.9988,
44.2627

■ 35.4494, 29.7755,
47.0594

■ 38.1287, 35.1340,
47.9526

■ 41.2502, 41.3771,
48.9932

■ 44.8328, 48.5422,
50.1874

■ 48.8940, 56.6646,
51.5412

■ 53.4506, 65.7778,
53.0602

Harmonies

Analogous

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



22.1083, 16.3361, 72.4498



28.7294, 16.3361, 44.8190



31.7540, 16.3361, 19.3154

Triad

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



28.7294, 16.3361, 44.8190



16.0518, 16.3361, 0.5686



6.8481, 16.3361, 40.2190

Complementary

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



28.7294, 16.3361, 44.8190



19.0888, 33.9723, 9.9670

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.



6.0572, 16.3361, 16.3419



28.7294, 16.3361, 44.8190



10.4015, 16.3361, 1.1640

Square

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



28.7294, 16.3361, 44.8190



23.2657, 16.3361, 1.4225



7.1533, 16.3361, 4.6460



9.7284, 16.3361, 68.7246

Rectangle

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



28.7294, 16.3361, 44.8190



30.8301, 16.3361, 8.9676



7.1533, 16.3361, 4.6460



6.3717, 16.3361, 31.0529

Sweetspot

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



28.7300, 16.3368, 44.8193



66.9816, 59.3991, 86.2292



11.8322, 7.6257, 44.0290



14.1897, 12.2636, 18.5414



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.



28.7300, 16.3368, 44.8193



50.1759, 25.7881, 80.6265



23.9126, 14.4099, 19.4510



8.8501, 8.6467, 10.7089



18.8865, 9.0722, 30.8921



0.5943, 0.2854, 0.9720

Inverse Universe

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



28.7300, 16.3368, 44.8193



50.1759, 25.7881, 80.6265



21.6672, 35.0037, 23.5443



8.8501, 8.6467, 10.7089



18.8865, 9.0722, 30.8921



0.5943, 0.2854, 0.9720

Previews

White Background



This preview shows how the XYZ color 28.7294, 16.3361, 44.8190 looks on a white background.

Color Contrast Check

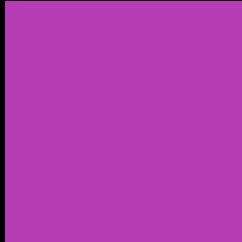
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.7294, 16.3361, 44.8190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

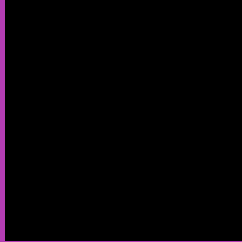
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.7294, 16.3361, 44.8190

Background



This preview shows how black text looks on a background with the XYZ color 28.7294, 16.3361, 44.8190.



This preview shows how white text looks on a background with the XYZ color 28.7294, 16.3361,

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

28.7294, 16.3361, 44.8190

Protanopia

19.8222, 16.7668, 73.4257

Deuteranopia

17.0978, 16.7201, 41.3559



Tritanopia

22.0877, 16.3336, 12.5782

Trichromacy



Original Color

28.7294, 16.3361, 44.8190



Protanomaly

19.4556, 14.3816, 62.0721



Deuteranomaly

19.4863, 15.0936, 42.4438



Tritanomaly

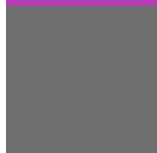
23.8816, 15.9281, 21.2178

Monochromacy



Original Color

28.7294, 16.3361, 44.8190



Achromatopsia

14.8208, 15.5926, 16.9804



Achromatomaly

18.1920, 14.5545, 24.7721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7294, 16.3361, 44.8190 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(180, 61, 180)` looks like.

```
.text, #text, p{  
    color:rgb(180, 61, 180)  
}
```

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(180, 61, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 61, 180) }
```

Border

The CSS property to change the border of an element to XYZ 28.7294, 16.3361, 44.8190 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(180, 61, 180) }
```


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

```
.border{ border-color:rgb(180, 61, 180) }
```

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

Here you see how a box with a 4 pixel rgb(180, 61, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 61, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 61, 180);  
box-shadow:4px 4px 4px 4px rgb(180, 61,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7294, 16.3361, 44.8190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 61, 180) }
```

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

```
.background{ background-color: rgb(180, 61,  
180) }
```

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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