

Converting Colors

XYZ(28.4813, 17.9529, 37.0861)

Have a look what the booklet for
XYZ(28.4813, 17.9529, 37.0861)
contains.

XYZ(28.4813, 17.9529, 37.0861)	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(28.4813, 17.9529,
37.0861)**

Conversions

Conversions Part 1

Format	Color
Hex	B54EA4
RGB	181, 78, 164
RGB Percent	71%, 31%, 64%
CMY	0.2902, 0.6941, 0.3569
CMYK	0.00, 0.57, 0.09, 0.29
HSL	310°, 41%, 51%
HSV	310°, 57%, 71%
XYZ	28.4813, 17.9529, 37.0861
YIQ	118.6010, 33.7820, 48.5820

Conversions

Conversions Part 2

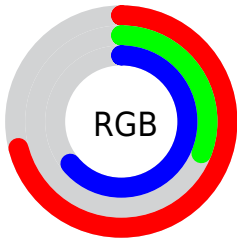
Format	Color
RYB	181, 78, 164
Decimal	11882148
CIELab	49.44, 52.52, -26.85
CIELCh	49, 58.988, 332.926
Yxy	17.9529, 0.3410, 0.2150
Android (android.graphics.Color)	4290072228 (0xFFB54EA4)
YUV	118.6010, 22.3817, 54.7239
Hunter-Lab	42.3709, 45.8370, -22.2354

Details

The XYZ color **28.4813, 17.9529, 37.0861** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **21.7322, 35.4943, 16.5335**, and the grayscale version is **17.3336, 18.2363, 19.8594**.

A 20% lighter version of the original color is **56.6341, 39.9677, 71.7474**, and **11.6149, 5.9956, 15.8743** is the 20% darker color. If you saturate the color by 10%, you get **27.1013, 15.6193, 35.3106**, and if you desaturate by 10%, it is **30.2227, 20.9984, 39.0136**.

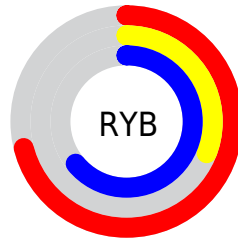
Distribution



Red (71%)

Green (31%)

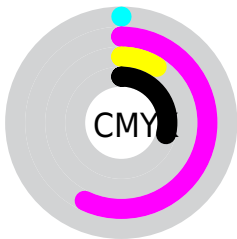
Blue (64%)



Red (71%)

Yellow (31%)

Blue (64%)

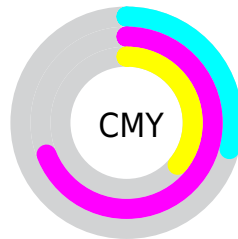


Cyan (0%)

Magenta (57%)

Yellow (9%)

Black (29%)



Cyan (29%)


Magenta (69%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.4813, 17.9529, 37.0861 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 28.4813, 17.9529, 37.0861 by changing the saturation by 10% instead.


 28.4813, 17.9529,
37.0861


 28.4813, 17.9529,
37.0861


286.7982,
240.6054, 348.8630


 18.8311, 10.9162,
24.9779


 56.6552, 39.9571,
71.8930

 11.6516, 6.0105,
15.8417


 75.9097, 55.6933,
95.4287


 6.5774, 2.8515,
9.2591


 99.0962, 75.0981,
123.6107

 3.2432, 1.0547,
4.8114

 126.5802, 98.5560,
156.8574

 1.2836, 0.0000,
2.0802

 158.7271,
126.4512, 195.5875

 0.1709, 0.0000,
0.6040

195.9021,

 0.0000, 0.0000,

159.1683, 240.2194

0.0000

238.4707,
197.0916, 291.1718

■ 28.4813, 17.9529,
37.0861

■ 28.4813, 17.9529,
37.0861

■ 27.1013, 15.6193,
35.3106

■ 30.2227, 20.9984,
39.0136

■ 26.0511, 13.9355,
33.6760

■ 32.3502, 24.8063,
41.1012

■ 25.2964, 12.8329,
32.1707

■ 34.8883, 29.4251,
43.3573

■ 24.7887, 12.2142,
30.7784

■ 37.8590, 34.8989,
45.7896

■ 24.6523, 12.0623,
30.3604

■ 41.2829, 41.2684,
48.4049

■ 45.1789, 48.5718,
51.2100

■ 49.5651, 56.8450,
54.2109

■ 54.4586, 66.1222,
57.4137

■ 59.8755, 76.4355,
60.8238

Harmonies

Analogous

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



23.5693, 17.9529, 58.2282



28.4813, 17.9529, 37.0861



30.1437, 17.9529, 18.0240

Triad

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



28.4813, 17.9529, 37.0861



16.5230, 17.9529, 2.1330



9.5628, 17.9529, 41.3975

Complementary

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



28.4813, 17.9529, 37.0861



21.7322, 35.4943, 16.5335

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.



8.4497, 17.9529, 21.1549



28.4813, 17.9529, 37.0861



11.8811, 17.9529, 3.4542

Square

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



28.4813, 17.9529, 37.0861



22.4147, 17.9529, 2.9845



9.1962, 17.9529, 8.6503



12.6403, 17.9529, 61.5288

Rectangle

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



28.4813, 17.9529, 37.0861



28.9446, 17.9529, 9.8716



9.1962, 17.9529, 8.6503



8.9810, 17.9529, 34.0884

Sweetspot

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



28.4819, 17.9537, 37.0865



67.5870, 62.1005, 81.8356



15.6257, 11.1367, 45.0425



14.3698, 12.9816, 17.4977



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.



28.4819, 17.9537, 37.0865



48.0682, 27.2034, 62.5652



24.8213, 16.4895, 17.8102



8.7886, 8.6222, 10.3852



17.0164, 8.3241, 21.0444



0.5514, 0.2683, 0.7464

Inverse Universe

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



28.4819, 17.9537, 37.0865



48.0682, 27.2034, 62.5652



24.7735, 36.7109, 32.5490



8.7886, 8.6222, 10.3852



17.0164, 8.3241, 21.0444



0.5514, 0.2683, 0.7464

Previews

White Background



This preview shows how the XYZ color 28.4813, 17.9529, 37.0861 looks on a white background.

Color Contrast Check

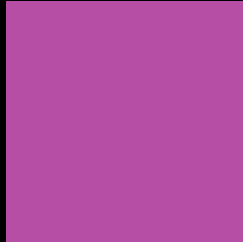
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.4813, 17.9529, 37.0861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

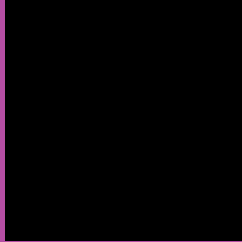
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.4813, 17.9529, 37.0861

Background



This preview shows how black text looks on a background with the XYZ color 28.4813, 17.9529, 37.0861.



This preview shows how white text looks on a background with the XYZ color 28.4813, 17.9529,

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

28.4813, 17.9529, 37.0861

Protanopia

19.9335, 18.4093, 54.1325

Deuteranopia

18.6013, 18.1475, 34.8702



Tritanopia

23.8072, 17.9437, 14.5206

Trichromacy



Original Color

28.4813, 17.9529, 37.0861

Protanomaly

21.2883, 17.0284, 47.5122

Deuteranomaly

21.0882, 17.1917, 35.4646

Tritanomaly

25.2593, 17.7818, 21.1697

Monochromacy



Original Color

28.4813, 17.9529, 37.0861

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

20.4788, 17.4007, 25.2010

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4813, 17.9529, 37.0861 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(181, 78, 164)` looks like.

```
.text, #text, p{  
    color:rgb(181, 78, 164)  
}
```

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(181, 78, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 78, 164) }
```

Border

The CSS property to change the border of an element to XYZ 28.4813, 17.9529, 37.0861 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(181, 78, 164) }
```


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

```
.border{ border-color:rgb(181, 78, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 78, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 78, 164); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 78, 164); box-shadow:4px 4px 4px 4px rgb(181, 78, 164) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4813, 17.9529, 37.0861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 78, 164) }
```

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

```
.background{ background-color: rgb(181, 78,  
164) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor