

Converting Colors

XYZ(28.9210, 17.4273, 45.5826)

Have a look what the booklet for
XYZ(28.9210, 17.4273, 45.5826)
contains.

XYZ(28.7893, 17.3180, 45.5414)	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(28.7893, 17.3180,
45.5414)**

Conversions

Conversions Part 1

Format	Color
Hex	B148B5
RGB	177, 72, 181
RGB Percent	69%, 28%, 71%
CMY	0.3059, 0.7176, 0.2902
CMYK	0.02, 0.60, 0.00, 0.29
HSL	298°, 43%, 50%
HSV	298°, 60%, 71%
XYZ	28.7893, 17.3180, 45.5414
YIQ	115.8210, 27.5910, 56.1590

Conversions

Conversions Part 2

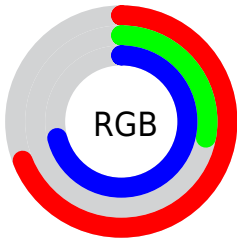
Format	Color
RYB	177, 72, 181
Decimal	11618485
CIELab	48.66, 57.09, -38.09
CIELCh	49, 68.631, 326.289
Yxy	17.3180, 0.3141, 0.1890
Android (android.graphics.Color)	4289808565 (0xFFB148B5)
YUV	115.8210, 32.1332, 53.6540
Hunter-Lab	41.6149, 50.6607, -35.7538

Details

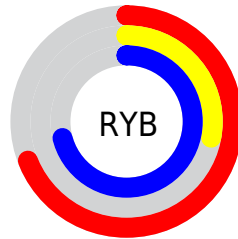
The XYZ color **28.7893, 17.3180, 45.5414** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **20.6746, 35.0525, 11.8078**, and the grayscale version is **16.4453, 17.3018, 18.8416**.

A 20% lighter version of the original color is **57.1364, 38.9553, 84.6285**, and **11.8249, 5.7103, 20.9010** is the 20% darker color. If you saturate the color by 10%, you get **27.6361, 15.2351, 45.2004**, and if you desaturate by 10%, it is **30.2889, 20.0916, 45.9980**.

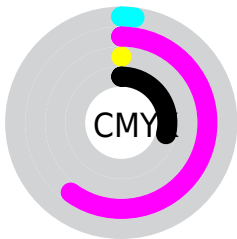
Distribution



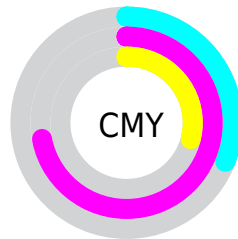
- Red (69%)
- Green (28%)
- Blue (71%)



- Red (69%)
- Yellow (28%)
- Blue (71%)



- Cyan (2%)
- Magenta (60%)
- Yellow (0%)
- Black (29%)





- Cyan (31%)
- Magenta (72%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.7893, 17.3180, 45.5414 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 28.7893, 17.3180, 45.5414 by changing the saturation by 10% instead.


 28.7893, 17.3180,
45.5414


 28.7893, 17.3180,
45.5414


288.2317,
236.9983, 385.1857


 19.0650, 10.4615,
31.5380


 57.1420, 38.8717,
84.8593


 11.8215, 5.7060,
20.7470


 76.5012, 54.3377,
111.0109

 6.6936, 2.6671,
12.7498


 99.8026, 73.4423,
142.0490

 3.3158, 0.9605,
7.1278

 127.4117, 96.5699,
178.3921

 1.3229, 0.0000,
3.4625

 159.6937,
124.1049, 220.4588

 0.2003, 0.0000,
1.3354

197.0142,

 0.0000, 0.0000,

156.4317, 268.6676

0.0905

239.7384,
193.9347, 323.4371

■ 0.0000, 0.0000,
0.0000

■ 28.7893, 17.3180,
45.5414

■ 28.7893, 17.3180,
45.5414

■ 27.6361, 15.2351,
45.2004

■ 30.2889, 20.0916,
45.9980

■ 26.7962, 13.7782,
44.9634

■ 32.1605, 23.6085,
46.5782

■ 26.2333, 12.8743,
44.8186

■ 34.4293, 27.9189,
47.2906

■ 25.8763, 12.3762,
44.7413

■ 37.1180, 33.0678,
48.1427

■ 40.2473, 39.0970,
49.1415

■ 43.8369, 46.0455,
50.2935

■ 47.9049, 53.9498,
51.6048

■ 52.4688, 62.8447,
53.0811

■ 57.5449, 72.7630,
54.7280

Harmonies

Analogous

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



22.4547, 17.3180, 70.4858



28.7893, 17.3180, 45.5414



31.8212, 17.3180, 21.2015

Triad

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



28.7893, 17.3180, 45.5414



17.2599, 17.3180, 1.0816



7.7877, 17.3180, 38.8687

Complementary

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



28.7893, 17.3180, 45.5414



20.6746, 35.0525, 11.8078

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.



7.0632, 17.3180, 16.6909



28.7893, 17.3180, 45.5414



11.6405, 17.3180, 1.6959

Square

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



28.7893, 17.3180, 45.5414



24.1737, 17.3180, 2.1898



8.2754, 17.3180, 5.3798



10.5916, 17.3180, 65.1948

Rectangle

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



28.7893, 17.3180, 45.5414



31.1087, 17.3180, 10.6779



8.2754, 17.3180, 5.3798



7.3297, 17.3180, 30.4082

Sweetspot

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



28.7899, 17.3188, 45.5418



67.4899, 61.1701, 86.5445



13.6991, 10.0856, 44.9410



14.2615, 12.5956, 18.6018



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.



28.7899, 17.3188, 45.5418



48.9904, 26.3950, 80.8073



25.5354, 16.1237, 23.5790



8.8186, 8.6305, 10.7074



17.8518, 8.5387, 30.8442



0.5712, 0.2735, 0.9709

Inverse Universe

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



22.6784, 14.9810, 8.5344



37.2250, 21.9206, 8.3805



22.6512, 35.8076, 23.8238



8.5086, 8.5101, 8.9106



13.1676, 6.7846, 0.7768



0.4185, 0.2151, 0.0463

Previews

White Background



This preview shows how the XYZ color 28.7893, 17.3180, 45.5414 looks on a white background.

Color Contrast Check

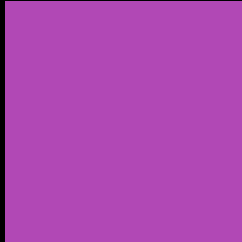
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.7893, 17.3180, 45.5414 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

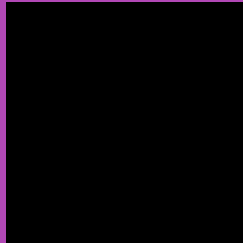
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.7893, 17.3180, 45.5414

Background



This preview shows how black text looks on a background with the XYZ color 28.7893, 17.3180, 45.5414.



This preview shows how white text looks on a background with the XYZ color 28.7893, 17.3180,

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

28.7893, 17.3180, 45.5414

Protanopia

20.3636, 17.8020, 68.6925

Deuteranopia

17.9872, 17.4911, 42.4725



Tritanopia

22.2880, 17.1605, 14.4495

Trichromacy



Original Color

28.7893, 17.3180, 45.5414



Protanomaly

20.8666, 15.9679, 59.7399



Deuteranomaly

20.4237, 16.2356, 43.6523



Tritanomaly

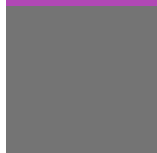
24.1516, 16.9252, 23.1131

Monochromacy



Original Color

28.7893, 17.3180, 45.5414



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

19.7720, 16.4111, 26.9365

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7893, 17.3180, 45.5414 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(177, 72, 181)` looks like.

```
.text, #text, p{  
    color:rgb(177, 72, 181)  
}
```

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(177, 72, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 72, 181) }
```

Border

The CSS property to change the border of an element to XYZ 28.7893, 17.3180, 45.5414 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(177, 72, 181) }
```


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

```
.border{ border-color:rgb(177, 72, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 72, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 72, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 72, 181);  
box-shadow:4px 4px 4px 4px rgb(177, 72,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7893, 17.3180, 45.5414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 72, 181) }
```

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

```
.background{ background-color: rgb(177, 72,  
181) }
```

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