

Converting Colors

XYZ(28.4592, 17.7281, 40.7054)

Have a look what the booklet for
XYZ(28.4592, 17.7281, 40.7054)
contains.

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Color

**XYZ(28.4604, 17.7513,
40.9560)**

Conversions

Conversions Part 1

Format	Color
Hex	B24DAC
RGB	178, 77, 172
RGB Percent	70%, 30%, 67%
CMY	0.3020, 0.6980, 0.3255
CMYK	0.00, 0.57, 0.03, 0.30
HSL	304°, 40%, 50%
HSV	304°, 57%, 70%
XYZ	28.4604, 17.7513, 40.9560
YIQ	118.0290, 29.7010, 50.9570

Conversions

Conversions Part 2

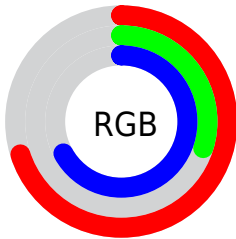
Format	Color
R _Y B	178, 77, 172
Decimal	11685292
CIE Lab	49.19, 53.50, -31.97
CIE LCh	49, 62.326, 329.139
Yxy	17.7513, 0.3265, 0.2036
Android (android.graphics.Color)	4289875372 (0xFFB24DAC)
YUV	118.0290, 26.6077, 52.5946
Hunter-Lab	42.1323, 46.8454, -28.1421

Details

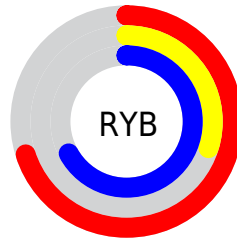
The XYZ color **28.4604, 17.7513, 40.9560** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **20.5431, 34.0439, 13.6731**, and the grayscale version is **17.1425, 18.0353, 19.6404**.

A 20% lighter version of the original color is **56.7120, 39.6669, 78.0662**, and **11.5563, 5.8704, 17.9768** is the 20% darker color. If you saturate the color by 10%, you get **27.2801, 15.5522, 40.0635**, and if you desaturate by 10%, it is **29.9835, 20.6338, 41.9670**.

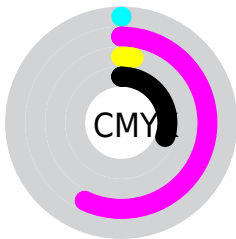
Distribution



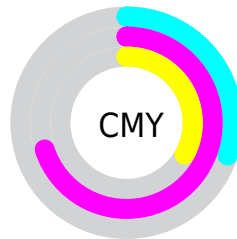
- Red (70%)
- Green (30%)
- Blue (67%)



- Red (70%)
- Yellow (30%)
- Blue (67%)



- Cyan (0%)
- Magenta (57%)
- Yellow (3%)
- Black (30%)





- Cyan (30%)
- Magenta (70%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.4604, 17.7513, 40.9560 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 28.4604, 17.7513, 40.9560 by changing the saturation by 10% instead.

 28.4604, 17.7513,
40.9560


 28.4604, 17.7513,
40.9560

286.7007,
239.4655, 365.8079


 18.8152, 10.7716,
27.9653


 56.6222, 39.6131,
77.8700

 11.6401, 5.9135,
18.0607


 75.8695, 55.2639,
102.6304


 6.5695, 2.7925,
10.8237


 99.0482, 74.5740,
132.1511

 3.2383, 1.0244,
5.8357

 126.5237, 97.9276,
166.8506

 1.2810, 0.0000,
2.6783

 158.6614,
125.7091, 207.1475

 0.1689, 0.0000,
0.9325

195.8265,

 0.0000, 0.0000,

158.3030, 253.4603

0.0000

238.3845,
196.0937, 306.2076

■ 28.4604, 17.7513,
40.9560

■ 28.4604, 17.7513,
40.9560

■ 27.2801, 15.5522,
40.0635

■ 29.9835, 20.6338,
41.9670

■ 26.4122, 13.9771,
39.2790

■ 31.8728, 24.2479,
43.1040

■ 25.8242, 12.9603,
38.5918

■ 34.1519, 28.6403,
44.3748

■ 25.4698, 12.4097,
37.9864

■ 36.8419, 33.8531,
45.7867

■ 25.3748, 12.2709,
37.7967

■ 39.9622, 39.9253,
47.3460

■ 43.5312, 46.8936,
49.0589

■ 47.5661, 54.7924,
50.9312

■ 52.0832, 63.6542,
52.9683

■ 57.0981, 73.5103,
55.1753

Harmonies

Analogous

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



22.9503, 17.7513, 63.2072



28.4604, 17.7513, 40.9560



30.7708, 17.7513, 19.8150

Triad

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



28.4604, 17.7513, 40.9560



17.0412, 17.7513, 1.7098



8.8434, 17.7513, 39.5917

Complementary

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



28.4604, 17.7513, 40.9560



20.5431, 34.0439, 13.6731

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.



7.9523, 17.7513, 18.8493



28.4604, 17.7513, 40.9560



11.9746, 17.7513, 2.6506

Square

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



28.4604, 17.7513, 40.9560



23.3107, 17.7513, 2.7811



8.9534, 17.7513, 7.0820



11.7438, 17.7513, 62.1493

Rectangle

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



28.4604, 17.7513, 40.9560



29.8556, 17.7513, 10.5869



8.9534, 17.7513, 7.0820



8.3333, 17.7513, 31.9024

Sweetspot

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



28.4610, 17.7521, 40.9564



66.5186, 60.8248, 82.8812



14.1746, 10.3191, 43.3648



14.5119, 13.0385, 18.2462



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.



28.4610, 17.7521, 40.9564



49.0363, 27.4062, 72.2875



24.5556, 16.1899, 20.3907



8.8278, 8.6378, 10.5916



18.1640, 8.7831, 27.0872



0.5781, 0.2790, 0.8867

Inverse Universe

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



28.4610, 17.7521, 40.9564



49.0363, 27.4062, 72.2875



23.1844, 35.1004, 27.5818



8.8278, 8.6378, 10.5916



18.1640, 8.7831, 27.0872



0.5781, 0.2790, 0.8867

Previews

White Background



This preview shows how the XYZ color 28.4604, 17.7513, 40.9560 looks on a white background.

Color Contrast Check

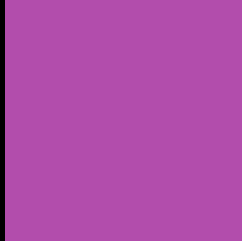
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.4604, 17.7513, 40.9560 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

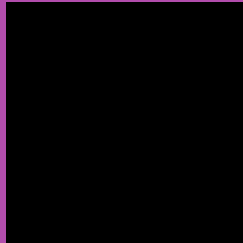
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.4604, 17.7513, 40.9560

Background



This preview shows how black text looks on a background with the XYZ color 28.4604, 17.7513, 40.9560.



This preview shows how white text looks on a background with the XYZ color 28.4604, 17.7513,

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

28.4604, 17.7513, 40.9560

Protanopia

20.2107, 18.2470, 60.2144

Deuteranopia

18.2925, 17.9167, 38.0915



Tritanopia

23.0680, 17.6898, 14.7690

Trichromacy



Original Color

28.4604, 17.7513, 40.9560



Protanomaly

21.2187, 16.7350, 52.5639



Deuteranomaly

20.7213, 16.9191, 39.2194



Tritanomaly

24.5541, 17.3960, 22.1423

Monochromacy



Original Color

28.4604, 17.7513, 40.9560



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

20.2529, 17.1109, 26.2800

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4604, 17.7513, 40.9560 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(178, 77, 172)` looks like.

```
.text, #text, p{  
    color:rgb(178, 77, 172)  
}
```

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(178, 77, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 77, 172) }
```

Border

The CSS property to change the border of an element to XYZ 28.4604, 17.7513, 40.9560 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(178, 77, 172) }
```


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

```
.border{ border-color:rgb(178, 77, 172) }
```

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

Here you see how a box with a 4 pixel rgb(178, 77, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 77, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 77, 172);  
box-shadow:4px 4px 4px 4px rgb(178, 77,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4604, 17.7513, 40.9560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 77, 172) }
```

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

```
.background{ background-color: rgb(178, 77,  
172) }
```

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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