

Converting Colors

XYZ(28.5425, 17.3566, 36.6566)

Have a look what the booklet for
XYZ(28.5425, 17.3566, 36.6566)
contains.

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Color

**XYZ(28.4567, 17.3464,
36.4987)**

Conversions

Conversions Part 1

Format	Color
Hex	B748A3
RGB	183, 72, 163
RGB Percent	72%, 28%, 64%
CMY	0.2823, 0.7176, 0.3608
CMYK	0.00, 0.61, 0.11, 0.28
HSL	311°, 44%, 50%
HSV	311°, 61%, 72%
XYZ	28.4567, 17.3464, 36.4987
YIQ	115.5630, 36.9450, 51.8330

Conversions

Conversions Part 2

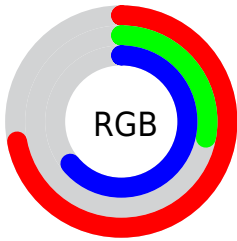
Format	Color
R_{YB}	183, 72, 163
Decimal	12011683
CIE _{Lab}	48.69, 55.64, -27.39
CIE _{LCh}	49, 62.017, 333.789
Yxy	17.3464, 0.3458, 0.2108
Android (android.graphics.Color)	4290201763 (0xFFB748A3)
YUV	115.5630, 23.3864, 59.1422
Hunter-Lab	41.6490, 49.0744, -22.8039

Details

The XYZ color **28.4567, 17.3464, 36.4987** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **21.5386, 36.0181, 15.9436**, and the grayscale version is **16.3907, 17.2443, 18.7791**.

A 20% lighter version of the original color is **56.5199, 38.9415, 70.8672**, and **11.6542, 5.7248, 15.5297** is the 20% darker color. If you saturate the color by 10%, you get **27.1534, 15.2061, 34.6256**, and if you desaturate by 10%, it is **30.1210, 20.1955, 38.5305**.

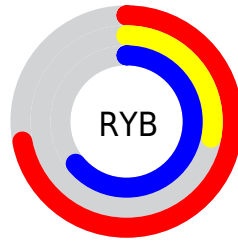
Distribution



Red (72%)

Green (28%)

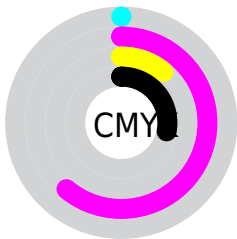
Blue (64%)



Red (72%)

Yellow (28%)

Blue (64%)

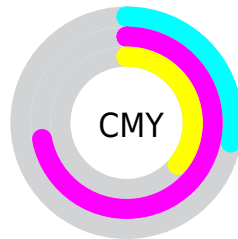


Cyan (0%)

Magenta (61%)

Yellow (11%)

Black (28%)



Cyan (28%)


Magenta (72%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.4567, 17.3464, 36.4987 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 28.4567, 17.3464, 36.4987 by changing the saturation by 10% instead.


 28.4567, 17.3464,
36.4987


 28.4567, 17.3464,
36.4987

286.6835,
237.1607, 346.2382


 18.8124, 10.4818,
24.5269


 56.6163, 38.9204,
70.9788


 11.6380, 5.7195,
15.5091


 75.8624, 54.3986,
94.3241


 6.5681, 2.6753,
9.0269


 99.0397, 73.5167,
122.2977

 3.2374, 0.9647,
4.6617

 126.5137, 96.6592,
155.3181

 1.2805, 0.0000,
1.9949

 158.6498,
124.2105, 193.8037

 0.1686, 0.0000,
0.5521

195.8132,

 0.0000, 0.0000,

156.5549, 238.1733

0.0000

238.3693,
194.0768, 288.8453

■ 28.4567, 17.3464,
36.4987

■ 28.4567, 17.3464,
36.4987

■ 27.1534, 15.2061,
34.6256

■ 30.1210, 20.1955,
38.5305

■ 26.1768, 13.7075,
32.8989

■ 32.1728, 23.8078,
40.7296

■ 25.4894, 12.7750,
31.3061

■ 34.6384, 28.2349,
43.1052

■ 25.0357, 12.2702,
29.9138

■ 37.5409, 33.5234,
45.6653

■ 40.9021, 39.7164,
48.4174

■ 44.7419, 46.8540,
51.3684

■ 49.0793, 54.9740,
54.5250

■ 53.9323, 64.1120,
57.8933

■ 59.3177, 74.3019,
61.4794

Harmonies

Analogous

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



23.3928, 17.3464, 59.0325



28.4567, 17.3464, 36.4987



30.0795, 17.3464, 16.8809

Triad

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



28.4567, 17.3464, 36.4987



15.7709, 17.3464, 1.6667



8.9307, 17.3464, 42.3841

Complementary

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



28.4567, 17.3464, 36.4987



21.5386, 36.0181, 15.9436

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.



7.7665, 17.3464, 21.0467



28.4567, 17.3464, 36.4987



11.0950, 17.3464, 2.9397

Square

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



28.4567, 17.3464, 36.4987



21.8387, 17.3464, 2.3775



8.4563, 17.3464, 8.1100



12.0903, 17.3464, 63.5959

Rectangle

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



28.4567, 17.3464, 36.4987



28.7403, 17.3464, 8.8164



8.4563, 17.3464, 8.1100



8.3310, 17.3464, 34.6584

Sweetspot

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



28.4573, 17.3472, 36.4990



68.5771, 62.5031, 82.9145



15.1308, 10.2535, 45.9819



14.7820, 13.1362, 18.0059



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



28.4573, 17.3472, 36.4990



47.9454, 26.1546, 60.8854



24.6069, 15.8071, 16.2233



9.3096, 9.1342, 10.9778



17.4882, 8.5690, 20.9895



0.6349, 0.3094, 0.8366

Inverse Universe

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



28.4573, 17.3472, 36.4990



47.9454, 26.1546, 60.8854



24.7951, 37.3207, 33.0919



9.3096, 9.1342, 10.9778



17.4882, 8.5690, 20.9895



0.6349, 0.3094, 0.8366

Previews

White Background



This preview shows how the XYZ color 28.4567, 17.3464, 36.4987 looks on a white background.

Color Contrast Check

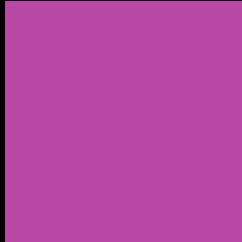
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.4567, 17.3464, 36.4987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

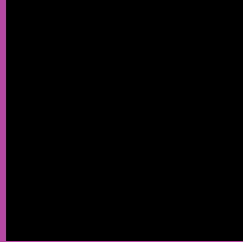
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.4567, 17.3464, 36.4987

Background



This preview shows how black text looks on a background with the XYZ color 28.4567, 17.3464, 36.4987.



This preview shows how white text looks on a background with the XYZ color 28.4567, 17.3464,

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

28.4567, 17.3464, 36.4987

Protanopia

19.5186, 17.8173, 55.8364

Deuteranopia

17.9572, 17.6650, 33.9157



Tritanopia

23.6720, 17.3870, 13.1747

Trichromacy



Original Color

28.4567, 17.3464, 36.4987

Protanomaly

20.5549, 16.2084, 47.9441

Deuteranomaly

20.3927, 16.4134, 34.8942

Tritanomaly

25.0738, 17.1263, 19.7535

Monochromacy



Original Color

28.4567, 17.3464, 36.4987

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

19.6060, 16.3832, 24.3192

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4567, 17.3464, 36.4987 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(183, 72, 163)` looks like.

```
.text, #text, p{  
  color:rgb(183, 72, 163)  
}
```

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(183, 72, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 72, 163) }
```

Border

The CSS property to change the border of an element to XYZ 28.4567, 17.3464, 36.4987 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(183, 72, 163) }
```


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

```
.border{ border-color:rgb(183, 72, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 72, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 72, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 72, 163);  
box-shadow:4px 4px 4px 4px rgb(183, 72,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4567, 17.3464, 36.4987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 72, 163) }
```

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

```
.background{ background-color: rgb(183, 72,  
163) }
```

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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