

Converting Colors

XYZ(28.6049, 23.8103, 35.5569)

Have a look what the booklet for
XYZ(28.6049, 23.8103, 35.5569)
contains.

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Color

**XYZ(28.4943, 23.7693,
35.4339)**

Conversions

Conversions Part 1

Format	Color
Hex	A6779E
RGB	166, 119, 158
RGB Percent	65%, 47%, 62%
CMY	0.3490, 0.5333, 0.3804
CMYK	0.00, 0.28, 0.05, 0.35
HSL	310°, 21%, 56%
HSV	310°, 28%, 65%
XYZ	28.4943, 23.7693, 35.4339
YIQ	137.4990, 15.4930, 22.0930

Conversions

Conversions Part 2

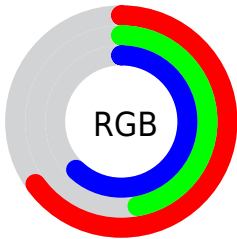
Format	Color
R_{YB}	166, 119, 158
Decimal	10909598
CIE _{Lab}	55.86, 24.91, -13.68
CIE _{LCh}	56, 28.422, 331.234
Yxy	23.7693, 0.3249, 0.2710
Android (android.graphics.Color)	4289099678 (0xFFA6779E)
YUV	137.4990, 10.1070, 24.9954
Hunter-Lab	48.7538, 19.0058, -8.9639

Details

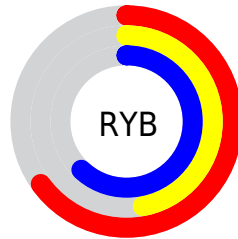
The XYZ color **28.4943, 23.7693, 35.4339** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **25.0757, 32.7274, 25.0755**, and the grayscale version is **23.9262, 25.1722, 27.4126**.

A 20% lighter version of the original color is **56.8870, 49.8387, 69.5724**, and **11.6541, 8.9526, 15.0237** is the 20% darker color. If you saturate the color by 10%, you get **26.4484, 20.0619, 33.5658**, and if you desaturate by 10%, it is **30.8923, 28.1712, 37.4475**.

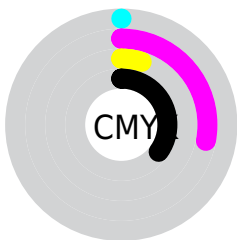
Distribution



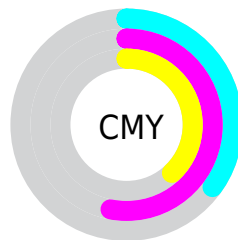
- Red (65%)
- Green (47%)
- Blue (62%)



- Red (65%)
- Yellow (47%)
- Blue (62%)



- Cyan (0%)
- Magenta (28%)
- Yellow (5%)
- Black (35%)




- Cyan (35%)
- Magenta (53%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.4943, 23.7693, 35.4339 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 28.4943, 23.7693, 35.4339 by changing the saturation by 10% instead.

 28.4943, 23.7693,
35.4339


 28.4943, 23.7693,
35.4339


286.8588,
271.6521, 341.4417


 18.8410, 15.1626,
23.7111


 56.6758, 49.6535,
69.3166

 11.6587, 8.9336,
14.9092


 75.9347, 67.6997,
92.3135

 6.5823, 4.6979,
8.6098


 99.1261, 89.6612,
119.9056

 3.2463, 2.0711,
4.3942

126.6154,
115.9224, 152.5113

 1.2853, 0.6483,
1.8440

158.7680,
146.8677, 190.5493

 0.1722, 0.0000,
0.4568

195.9492,

 0.0000, 0.0000,

182.8815, 234.4379

0.0000

238.5243,
224.3481, 284.5959

■ 28.4943, 23.7693,
35.4339

■ 28.4943, 23.7693,
35.4339

■ 26.4484, 20.0619,
33.5658

■ 30.8923, 28.1712,
37.4475

■ 24.7344, 17.0098,
31.8355

■ 33.6570, 33.2977,
39.6108

■ 23.3335, 14.5751,
30.2368

■ 36.8046, 39.1810,
41.9297

■ 22.2240, 12.7144,
28.7623

■ 40.3498, 45.8505,
44.4093

■ 21.3813, 11.3788,
27.4036

■ 44.3066, 53.3338,
47.0544

■ 20.7770, 10.5111,
26.1510

■ 48.6881, 61.6575,
49.8695

■ 20.3599, 10.0093,
24.9873

■ 53.5070, 70.8466,
52.8592

■ 20.2950, 9.9346,
24.7952

■ 58.7755, 80.9255,
56.0274

■ 60.0785, 83.0641,
57.9029

Harmonies

Analogous

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



25.9729, 23.7693, 44.2943



28.4943, 23.7693, 35.4339



29.3980, 23.7693, 25.4991

Triad

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



28.4943, 23.7693, 35.4339



22.4584, 23.7693, 11.8448



17.6803, 23.7693, 36.2592

Complementary

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



28.4943, 23.7693, 35.4339



25.0757, 32.7274, 25.0755

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.



16.9269, 23.7693, 26.2661



28.4943, 23.7693, 35.4339



19.5180, 23.7693, 13.4425

Square

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



28.4943, 23.7693, 35.4339



25.7192, 23.7693, 13.1962



17.5668, 23.7693, 18.2203



19.7292, 23.7693, 44.8453

Rectangle

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



28.4943, 23.7693, 35.4339



28.8993, 23.7693, 19.9508



17.5668, 23.7693, 18.2203



17.2765, 23.7693, 32.8827

Sweetspot

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



28.4950, 23.7704, 35.4344



61.1707, 60.5939, 71.9551



22.2084, 20.4473, 38.8531



13.5143, 13.2348, 15.9693



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



28.4950, 23.7704, 35.4344



49.2954, 38.7444, 62.1360



26.6733, 23.0417, 25.8416



7.7863, 7.6444, 9.1917



15.7525, 7.7097, 19.3061



0.3973, 0.1932, 0.5437

Inverse Universe

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



28.4950, 23.7704, 35.4344



49.2954, 38.7444, 62.1360



26.7768, 33.4079, 34.0330



7.7863, 7.6444, 9.1917



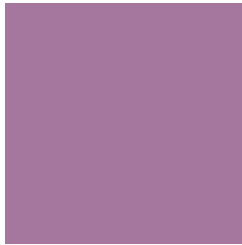
15.7525, 7.7097, 19.3061



0.3973, 0.1932, 0.5437

Previews

White Background



This preview shows how the XYZ color 28.4943, 23.7693, 35.4339 looks on a white background.

Color Contrast Check

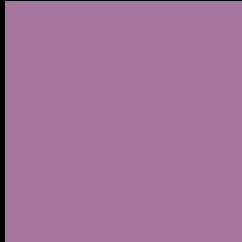
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 28.4943, 23.7693, 35.4339 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

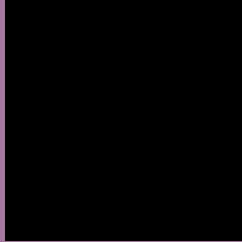
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.4943, 23.7693, 35.4339

Background



This preview shows how black text looks on a background with the XYZ color 28.4943, 23.7693, 35.4339.



This preview shows how white text looks on a background with the XYZ color 28.4943, 23.7693,

35.4339.

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

28.4943, 23.7693, 35.4339

Protanopia

23.9668, 24.0007, 39.9286

Deuteranopia

24.4336, 23.9513, 34.7878



Tritanopia

26.5455, 23.8953, 25.4035

Trichromacy



Original Color

28.4943, 23.7693, 35.4339

Protanomaly

25.4045, 23.7814, 38.3733

Deuteranomaly

25.8879, 23.9090, 35.1487

Tritanomaly

27.1519, 23.7646, 28.7471

Monochromacy



Original Color

28.4943, 23.7693, 35.4339

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

25.4399, 24.5728, 30.1903

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4943, 23.7693, 35.4339 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(166, 119, 158)` looks like.

```
.text, #text, p{  
    color:rgb(166, 119, 158)  
}
```

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(166, 119, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 119, 158) }
```

Border

The CSS property to change the border of an element to XYZ 28.4943, 23.7693, 35.4339 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(166, 119, 158) }
```


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

```
.border{ border-color:rgb(166, 119, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 119, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 119, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 119, 158);  
box-shadow:4px 4px 4px 4px rgb(166, 119,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4943, 23.7693, 35.4339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 119, 158) }
```

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

```
.background{ background-color: rgb(166,  
119, 158) }
```

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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