

Converting Colors

XYZ(28.4927, 23.8731, 40.2624)

Have a look what the booklet for
XYZ(28.4927, 23.8731, 40.2624)
contains.

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Color

**XYZ(28.4823, 23.8372,
40.1456)**

Conversions

Conversions Part 1

Format	Color
Hex	A178A8
RGB	161, 120, 168
RGB Percent	63%, 47%, 66%
CMY	0.3686, 0.5294, 0.3412
CMYK	0.04, 0.29, 0.00, 0.34
HSL	291°, 22%, 56%
HSV	291°, 29%, 66%
XYZ	28.4823, 23.8372, 40.1456
YIQ	137.7310, 9.0280, 23.6200

Conversions

Conversions Part 2

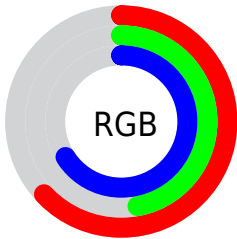
Format	Color
R_{YB}	161, 120, 168
Decimal	10582184
CIE _{Lab}	55.92, 24.57, -19.41
CIE _{LCh}	56, 31.311, 321.701
Yxy	23.8372, 0.3080, 0.2578
Android (android.graphics.Color)	4288772264 (0xFFA178A8)
YUV	137.7310, 14.9226, 20.4069
Hunter-Lab	48.8234, 18.6915, -14.5756

Details

The XYZ color **28.4823, 23.8372, 40.1456** is a light color, and the websafe version is hex **996699**. A complement of this color would be **26.1460, 33.8739, 22.9308**, and the grayscale version is **23.9983, 25.2481, 27.4952**.

A 20% lighter version of the original color is **56.5818, 49.8138, 76.4449**, and **11.7123, 9.0186, 17.6465** is the 20% darker color. If you saturate the color by 10%, you get **26.1477, 19.8934, 39.5078**, and if you desaturate by 10%, it is **31.1826, 28.4970, 40.9031**.

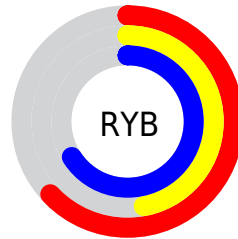
Distribution



Red (63%)

Green (47%)

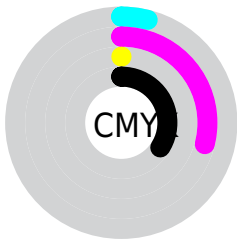
Blue (66%)



Red (63%)

Yellow (47%)

Blue (66%)

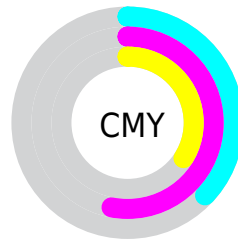


Cyan (4%)

Magenta (29%)

Yellow (0%)

Black (34%)



Cyan (37%)


Magenta (53%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.4823, 23.8372, 40.1456 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 28.4823, 23.8372, 40.1456 by changing the saturation by 10% instead.


 28.4823, 23.8372,
40.1456


 28.4823, 23.8372,
40.1456

286.8029,
271.9964, 362.3072


 18.8318, 15.2129,
27.3374


 56.6568, 49.7644,
76.6247

 11.6521, 8.9689,
17.5921


 75.9116, 67.8361,
101.1327

 6.5778, 4.7209,
10.4912


 99.0985, 89.8257,
130.3777

 3.2434, 2.0845,
5.6160

126.5830,
116.1176, 164.7783

 1.2838, 0.6559,
2.5480

158.7302,
147.0963, 204.7530

 0.1710, 0.0000,
0.8654

195.9058,

 0.0000, 0.0000,

183.1460, 250.7204

0.0000

238.4749,
224.6513, 303.0989

■ 28.4823, 23.8372,
40.1456

■ 28.4823, 23.8372,
40.1456

■ 26.1477, 19.8934,
39.5078

■ 31.1826, 28.4970,
40.9031

■ 24.1580, 16.6254,
38.9819

■ 34.2634, 33.9042,
41.7844

■ 22.4935, 13.9939,
38.5617

■ 37.7418, 40.0918,
42.7954

■ 21.1320, 11.9541,
38.2397

■ 41.6329, 47.0901,
43.9411

■ 20.0480, 10.4553,
38.0075

■ 45.9509, 54.9278,
45.2263

■ 19.2120, 9.4385,
37.8553

■ 50.7097, 63.6320,
46.6556

■ 18.5697, 8.7953,
37.7650

■ 55.9222, 73.2289,
48.2333

■ 18.4826, 8.7116,
37.7535

■ 61.6008, 83.7433,
49.9635

■ 62.3685, 84.4207,
50.0538

Harmonies

Analogous

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



25.2909, 23.8372, 48.8421



28.4823, 23.8372, 40.1456



30.1510, 23.8372, 28.8970

Triad

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



28.4823, 23.8372, 40.1456



23.6619, 23.8372, 10.9561



16.8581, 23.8372, 33.9243

Complementary

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



28.4823, 23.8372, 40.1456



26.1460, 33.8739, 22.9308

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.



16.5199, 23.8372, 23.2192



28.4823, 23.8372, 40.1456



20.2118, 23.8372, 11.6381

Square

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



28.4823, 23.8372, 40.1456



27.1830, 23.8372, 13.3809



17.6848, 23.8372, 15.5772



18.6627, 23.8372, 44.6433

Rectangle

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



28.4823, 23.8372, 40.1456



30.0654, 23.8372, 22.1681



17.6848, 23.8372, 15.5772



16.5773, 23.8372, 30.1496

Sweetspot

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



28.4831, 23.8382, 40.1461



61.8226, 60.9000, 75.7216



22.4299, 22.0518, 40.1203



13.2958, 12.9581, 16.4525



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.



28.4831, 23.8382, 40.1461



49.0437, 38.7729, 72.1241



28.4678, 23.9997, 32.4961



7.7328, 7.6104, 9.4797



13.9905, 6.5958, 28.5112



0.3687, 0.1751, 0.6950

Inverse Universe

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



26.6965, 23.2912, 23.1684



45.3571, 37.6646, 36.1597



26.2502, 33.7993, 28.7332



7.5740, 7.5595, 8.0741



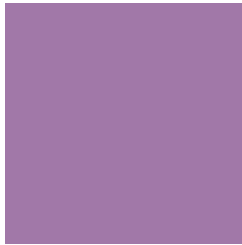
12.3353, 6.3429, 1.3116



0.3130, 0.1595, 0.0997

Previews

White Background



This preview shows how the XYZ color 28.4823, 23.8372, 40.1456 looks on a white background.

Color Contrast Check

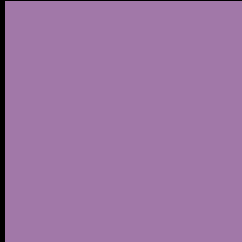
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.4823, 23.8372, 40.1456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

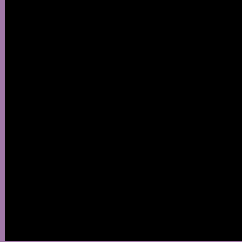
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.4823, 23.8372, 40.1456

Background



This preview shows how black text looks on a background with the XYZ color 28.4823, 23.8372, 40.1456.



This preview shows how white text looks on a background with the XYZ color 28.4823, 23.8372,

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

28.4823, 23.8372, 40.1456

Protanopia

24.3494, 24.0870, 44.9609

Deuteranopia

24.3593, 23.8111, 39.3885



Tritanopia

25.6151, 23.7672, 26.5300

Trichromacy



Original Color

28.4823, 23.8372, 40.1456

Protanomaly

25.5125, 23.7286, 43.2798

Deuteranomaly

25.7198, 23.7195, 39.7820

Tritanomaly

26.6535, 23.8225, 31.2104

Monochromacy



Original Color

28.4823, 23.8372, 40.1456

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

25.3952, 24.5135, 31.8269

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4823, 23.8372, 40.1456 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(161, 120, 168)` looks like.

```
.text, #text, p{  
    color:rgb(161, 120, 168)  
}
```

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(161, 120, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 120, 168) }
```

Border

The CSS property to change the border of an element to XYZ 28.4823, 23.8372, 40.1456 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(161, 120, 168) }
```


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

```
.border{ border-color:rgb(161, 120, 168) }
```

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

Here you see how a box with a 4 pixel rgb(161, 120, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 120, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 120, 168);  
box-shadow:4px 4px 4px 4px rgb(161, 120,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4823, 23.8372, 40.1456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 120, 168) }
```

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

```
.background{ background-color: rgb(161,  
120, 168) }
```

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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