

Converting Colors

XYZ(28.7289, 23.8673, 41.7372)

Have a look what the booklet for
XYZ(28.7289, 23.8673, 41.7372)
contains.

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Color

**XYZ(28.7651, 23.9503,
41.6349)**

Conversions

Conversions Part 1

Format	Color
Hex	A178AB
RGB	161, 120, 171
RGB Percent	63%, 47%, 67%
CMY	0.3686, 0.5294, 0.3294
CMYK	0.06, 0.30, 0.00, 0.33
HSL	288°, 23%, 57%
HSV	288°, 30%, 67%
XYZ	28.7651, 23.9503, 41.6349
YIQ	138.0730, 8.0650, 24.5530

Conversions

Conversions Part 2

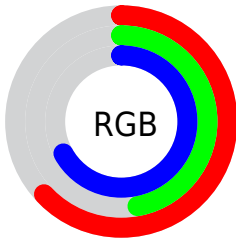
Format	Color
RYB	161, 120, 171
Decimal	10582187
CIELab	56.04, 25.19, -20.96
CIElCh	56, 32.769, 320.231
Yxy	23.9503, 0.3049, 0.2538
Android (android.graphics.Color)	4288772267 (0xFFA178AB)
YUV	138.0730, 16.2330, 20.1070
Hunter-Lab	48.9390, 19.2743, -16.1836

Details

The XYZ color **28.7651, 23.9503, 41.6349** is a light color, and the websafe version is hex **996699**. A complement of this color would be **27.1599, 35.2284, 23.1387**, and the grayscale version is **24.1239, 25.3802, 27.6390**.

A 20% lighter version of the original color is **56.9899, 49.9771, 78.5943**, and **11.8897, 9.0896, 18.5806** is the 20% darker color. If you saturate the color by 10%, you get **26.2229, 19.8551, 40.9788**, and if you desaturate by 10%, it is **31.6942, 28.7914, 42.4153**.

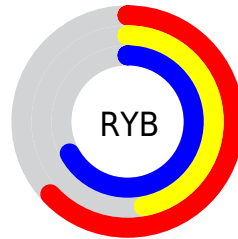
Distribution



Red (63%)

Green (47%)

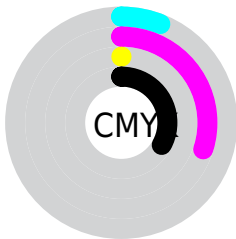
Blue (67%)



Red (63%)

Yellow (47%)

Blue (67%)

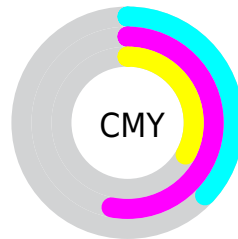


Cyan (6%)

Magenta (30%)

Yellow (0%)

Black (33%)



Cyan (37%)

Magenta (53%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7651, 23.9503, 41.6349 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 28.7651, 23.9503, 41.6349 by changing the saturation by 10% instead.

■ 28.7651, 23.9503,
41.6349

■ 28.7651, 23.9503,
41.6349

288.1193,
272.5691, 368.7221

■ 19.0466, 15.2968,
28.4921

■ 57.1038, 49.9491,
78.9109

■ 11.8081, 9.0279,
18.4547

■ 76.4547, 68.0631,
103.8811

■ 6.6844, 4.7594,
11.1041

■ 99.7471, 90.0994,
133.6309

■ 3.3101, 2.1068,
6.0218

127.3464,
116.4424, 168.5788

■ 1.3198, 0.6684,
2.7894

159.6179,
147.4765, 209.1433

■ 0.1980, 0.0000,
0.9881

196.9270,

■ 0.0000, 0.0000,

183.5860, 255.7430

0.0000

239.6390,
225.1555, 308.7965

■ 28.7651, 23.9503,
41.6349

■ 28.7651, 23.9503,
41.6349

■ 26.2229, 19.8551,
40.9788

■ 31.6942, 28.7914,
42.4153

■ 24.0456, 16.4636,
40.4389

■ 35.0262, 34.4116,
43.3245

■ 22.2125, 13.7339,
40.0087

■ 38.7789, 40.8458,
44.3686

■ 20.6997, 11.6187,
39.6801

■ 42.9682, 48.1258,
45.5530

■ 19.4802, 10.0639,
39.4443

■ 47.6094, 56.2819,
46.8827

■ 18.5222, 9.0063,
39.2906

■ 52.7168, 65.3426,
48.3624

■ 17.7577, 8.3102,
39.1966

■ 58.3043, 75.3352,
49.9967

■ 17.7446, 8.2985,
39.1950

■ 63.8068, 85.1295,
51.5971

■ 64.6415, 85.5598,
51.6362

Harmonies

Analogous

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



25.3484, 23.9503, 50.6347



28.7651, 23.9503, 41.6349



30.6309, 23.9503, 29.7389

Triad

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



28.7651, 23.9503, 41.6349



24.0089, 23.9503, 10.5671



16.6492, 23.9503, 33.8865

Complementary

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



28.7651, 23.9503, 41.6349



27.1599, 35.2284, 23.1387

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.



16.3746, 23.9503, 22.7302



28.7651, 23.9503, 41.6349



20.3616, 23.9503, 11.1096

Square

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



28.7651, 23.9503, 41.6349



27.6925, 23.9503, 13.2127



17.6617, 23.9503, 14.9774



18.4580, 23.9503, 45.3774

Rectangle

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



28.7651, 23.9503, 41.6349



30.6185, 23.9503, 22.5807



17.6617, 23.9503, 14.9774



16.3827, 23.9503, 29.9185

Sweetspot

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



28.7659, 23.9513, 41.6354



63.1519, 62.3477, 77.7077



23.1067, 22.9530, 41.7410



13.8824, 13.5623, 17.2738



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



28.7659, 23.9513, 41.6354



48.3417, 37.7561, 73.7417



29.4872, 24.4820, 34.4916



8.1809, 8.0676, 10.0787



13.4194, 6.2778, 29.5490



0.4121, 0.1946, 0.8238

Inverse Universe

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



27.5412, 23.7036, 24.2439



45.8899, 37.3035, 36.9691



26.7038, 34.8773, 28.3582



8.0671, 8.0401, 8.6639



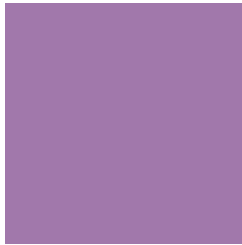
12.8887, 6.6180, 1.7932



0.3769, 0.1914, 0.1463

Previews

White Background



This preview shows how the XYZ color 28.7651, 23.9503, 41.6349 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 28.7651, 23.9503, 41.6349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

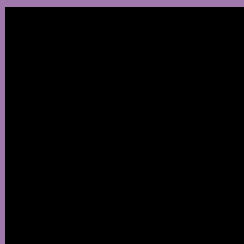
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.7651, 23.9503, 41.6349

Background



This preview shows how black text looks on a background with the XYZ color 28.7651, 23.9503, 41.6349.



This preview shows how white text looks on a background with the XYZ color 28.7651, 23.9503,

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

28.7651, 23.9503, 41.6349

Protanopia

24.5109, 24.1353, 46.5467

Deuteranopia

24.6186, 24.1129, 40.8928



Tritanopia

25.8150, 24.0528, 26.9490

Trichromacy



Original Color

28.7651, 23.9503, 41.6349

Protanomaly

25.8083, 23.8469, 44.8376

Deuteranomaly

25.9594, 24.0033, 41.2951

Tritanomaly

26.7330, 23.8543, 31.6291

Monochromacy



Original Color

28.7651, 23.9503, 41.6349

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

25.4754, 24.5456, 32.2492

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7651, 23.9503, 41.6349 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, 171)` looks like.

```
.text, #text, p{  
    color:rgb(161, 120, 171)  
}
```

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, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 120, 171) }
```

Border

The CSS property to change the border of an element to XYZ 28.7651, 23.9503, 41.6349 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, 171) }
```


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

```
.border{ border-color:rgb(161, 120, 171) }
```

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, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 120, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 120, 171);  
box-shadow:4px 4px 4px 4px rgb(161, 120,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7651, 23.9503, 41.6349 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, 171) }
```

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

```
.background{ background-color: rgb(161,  
120, 171) }
```

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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