

Converting Colors

XYZ(28.1467, 21.2763, 40.1558)

Have a look what the booklet for
XYZ(28.1467, 21.2763, 40.1558)
contains.

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Color

**XYZ(28.2518, 21.3881,
40.1754)**

Conversions

Conversions Part 1

Format	Color
Hex	A76AA9
RGB	167, 106, 169
RGB Percent	65%, 42%, 66%
CMY	0.3451, 0.5843, 0.3373
CMYK	0.01, 0.37, 0.00, 0.34
HSL	298°, 27%, 54%
HSV	298°, 37%, 66%
XYZ	28.2518, 21.3881, 40.1754
YIQ	131.4210, 16.1330, 32.5250

Conversions

Conversions Part 2

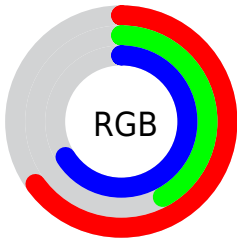
Format	Color
R _Y B	167, 106, 169
Decimal	10971817
CIE Lab	53.37, 34.67, -23.84
CIE LCh	53, 42.078, 325.485
Yxy	21.3881, 0.3146, 0.2381
Android (android.graphics.Color)	4289161897 (0xFFA76AA9)
YUV	131.4210, 18.5264, 31.2028
Hunter-Lab	46.2473, 28.1104, -19.1326

Details

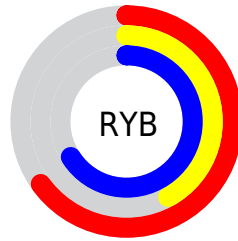
The XYZ color **28.2518, 21.3881, 40.1754** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **22.9745, 32.6052, 18.7192**, and the grayscale version is **21.6562, 22.7840, 24.8118**.

A 20% lighter version of the original color is **56.1128, 45.5235, 76.3505**, and **11.6134, 7.7880, 17.7208** is the 20% darker color. If you saturate the color by 10%, you get **26.5660, 18.1839, 39.6461**, and if you desaturate by 10%, it is **30.2827, 25.2808, 40.8200**.

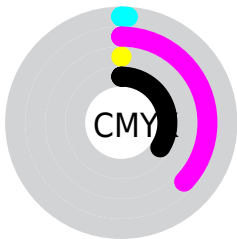
Distribution



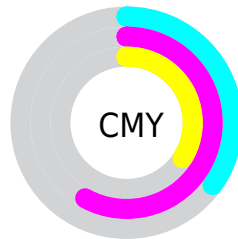
- Red (65%)
- Green (42%)
- Blue (66%)



- Red (65%)
- Yellow (42%)
- Blue (66%)



- Cyan (1%)
- Magenta (37%)
- Yellow (0%)
- Black (34%)





- Cyan (35%)
- Magenta (58%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.2518, 21.3881, 40.1754 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 28.2518, 21.3881, 40.1754 by changing the saturation by 10% instead.


 28.2518, 21.3881,
40.1754


 28.2518, 21.3881,
40.1754


285.7265,
259.3339, 362.4364


 18.6570, 13.4080,
27.3605


 56.2920, 45.7326,
76.6705


 11.5252, 7.7101,
17.6093


 75.4682, 62.8657,
101.1879

 6.4912, 3.9100,
10.5033

 98.5688, 83.8186,
130.4431

 3.1894, 1.6233,
5.6240

 125.9592,
108.9757, 164.8547

 1.2547, 0.3733,
2.5528

158.0049,
138.7214, 204.8413

 0.1489, 0.0000,
0.8679

195.0710,

 0.0000, 0.0000,

173.4401, 250.8214

0.0000

237.5231,
213.5161, 303.2136

■ 28.2518, 21.3881,
40.1754

■ 28.2518, 21.3881,
40.1754

■ 26.5660, 18.1839,
39.6461

■ 30.2827, 25.2808,
40.8200

■ 25.2029, 15.6249,
39.2240

■ 32.6751, 29.8964,
41.5848

■ 24.1409, 13.6673,
38.9021

■ 35.4471, 35.2704,
42.4760

■ 23.3546, 12.2606,
38.6720

■ 38.6148, 41.4351,
43.4990

■ 22.8148, 11.3461,
38.5240

■ 42.1934, 48.4210,
44.6588

■ 22.4765, 10.8340,
38.4429

■ 46.1974, 56.2568,
45.9602

■ 22.3965, 10.7185,
38.4249

■ 50.6404, 64.9701,
47.4079

■ 55.5356, 74.5869,
49.0061

■ 59.8972, 83.1359,
50.4263

Harmonies

Analogous

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



24.2495, 21.3881, 53.2668



28.2518, 21.3881, 40.1754



30.1405, 21.3881, 25.2770

Triad

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



28.2518, 21.3881, 40.1754



21.0119, 21.3881, 6.3745



13.5241, 21.3881, 35.5450

Complementary

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



28.2518, 21.3881, 40.1754



22.9745, 32.6052, 18.7192

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.



12.9174, 21.3881, 21.4062



28.2518, 21.3881, 40.1754



16.8552, 21.3881, 7.4012

Square

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



28.2518, 21.3881, 40.1754



25.5896, 21.3881, 8.3393



14.0456, 21.3881, 11.9530



15.8434, 21.3881, 49.9779

Rectangle

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



28.2518, 21.3881, 40.1754



29.7716, 21.3881, 17.3230



14.0456, 21.3881, 11.9530



13.1291, 21.3881, 30.4856

Sweetspot

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



28.2525, 21.3890, 40.1759



61.4540, 59.2278, 75.4182



18.4793, 16.6760, 39.7812



13.2544, 12.6378, 16.3929



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.



28.2525, 21.3890, 40.1759



47.9849, 33.3361, 71.1305



26.2211, 20.6256, 27.2565



7.8180, 7.6543, 9.4837



16.7007, 7.9930, 28.6381



0.4133, 0.1981, 0.6971

Inverse Universe

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



24.2237, 19.8267, 16.7384



39.7166, 30.1368, 22.7088



24.5339, 33.2012, 28.1858



7.5404, 7.5460, 7.8970



12.2204, 6.2969, 0.7061



0.3002, 0.1544, 0.0326

Previews

White Background



This preview shows how the XYZ color 28.2518, 21.3881, 40.1754 looks on a white background.

Color Contrast Check

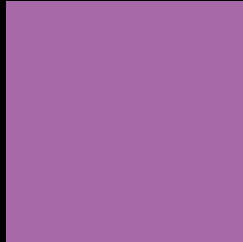
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.2518, 21.3881, 40.1754 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

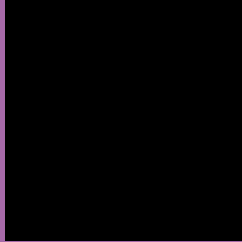
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.2518, 21.3881, 40.1754

Background



This preview shows how black text looks on a background with the XYZ color 28.2518, 21.3881, 40.1754.



This preview shows how white text looks on a background with the XYZ color 28.2518, 21.3881,

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

28.2518, 21.3881, 40.1754

Protanopia

22.4193, 21.6336, 48.3415

Deuteranopia

21.9981, 21.6314, 38.6132



Tritanopia

24.4668, 21.2938, 21.8894

Trichromacy



Original Color

28.2518, 21.3881, 40.1754

Protanomaly

23.9394, 21.1942, 45.4770

Deuteranomaly

23.7963, 21.2652, 38.9268

Tritanomaly

25.6321, 21.2683, 27.5652

Monochromacy



Original Color

28.2518, 21.3881, 40.1754

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

23.5720, 21.8927, 29.7714

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2518, 21.3881, 40.1754 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(167, 106, 169)` looks like.

```
.text, #text, p{  
    color:rgb(167, 106, 169)  
}
```

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(167, 106, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 106, 169) }
```

Border

The CSS property to change the border of an element to XYZ 28.2518, 21.3881, 40.1754 is called "border". The border property can be set on classes, ids or directly on the HTML element.

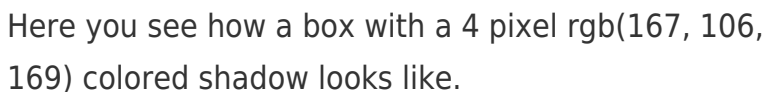
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 106, 169) }
```


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

```
.border{ border-color:rgb(167, 106, 169) }
```

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



Here you see how a box with a 4 pixel `rgb(167, 106, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 106, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 106, 169);  
box-shadow:4px 4px 4px 4px rgb(167, 106,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2518, 21.3881, 40.1754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 106, 169) }
```

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

```
.background{ background-color: rgb(167,  
106, 169) }
```

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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