

Converting Colors

XYZ(28.7398, 21.7078, 39.1747)

Have a look what the booklet for
XYZ(28.7398, 21.7078, 39.1747)
contains.

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Color

**XYZ(28.7066, 21.6441,
39.2239)**

Conversions

Conversions Part 1

Format	Color
Hex	AA6AA7
RGB	170, 106, 167
RGB Percent	67%, 42%, 65%
CMY	0.3333, 0.5843, 0.3451
CMYK	0.00, 0.38, 0.02, 0.33
HSL	303°, 27%, 54%
HSV	303°, 38%, 67%
XYZ	28.7066, 21.6441, 39.2239
YIQ	132.0900, 18.5630, 32.5390

Conversions

Conversions Part 2

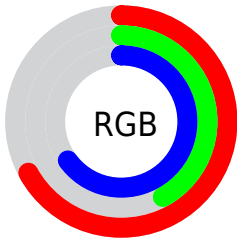
Format	Color
R_{YB}	170, 106, 167
Decimal	11168423
CIE _{Lab}	53.65, 35.26, -22.23
CIE _{LCh}	54, 41.684, 327.778
Yxy	21.6441, 0.3205, 0.2416
Android (android.graphics.Color)	4289358503 (0xFFAA6AA7)
YUV	132.0900, 17.2106, 33.2471
Hunter-Lab	46.5232, 28.7257, -17.4214

Details

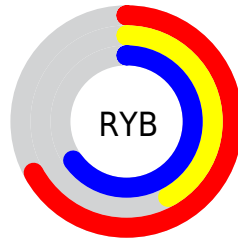
The XYZ color **28.7066, 21.6441, 39.2239** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **23.0798, 32.9184, 19.6067**, and the grayscale version is **21.9004, 23.0409, 25.0915**.

A 20% lighter version of the original color is **56.9470, 46.2390, 75.0308**, and **11.7111, 7.7792, 17.1039** is the 20% darker color. If you saturate the color by 10%, you get **27.0521, 18.4522, 38.3102**, and if you desaturate by 10%, it is **30.7102, 25.5327, 40.2567**.

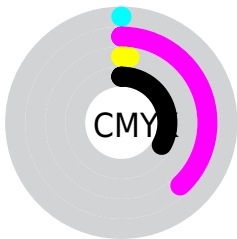
Distribution



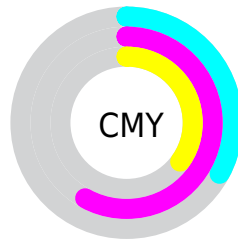
- Red (67%)
- Green (42%)
- Blue (65%)



- Red (67%)
- Yellow (42%)
- Blue (65%)



- Cyan (0%)
- Magenta (38%)
- Yellow (2%)
- Black (33%)





- Cyan (33%)
- Magenta (58%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.7066, 21.6441, 39.2239 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 28.7066, 21.6441, 39.2239 by changing the saturation by 10% instead.

 28.7066, 21.6441,
39.2239


 28.7066, 21.6441,
39.2239


287.8473,
260.6820, 358.2958


 19.0021, 13.5956,
26.6248


 57.0114, 46.1571,
75.2043


 11.7758, 7.8400,
17.0617


 76.3425, 63.3903,
99.4227

 6.6623, 3.9927,
10.1161


 99.6131, 84.4540,
128.3513

 3.2963, 1.6695,
5.3694

 127.1886,
109.7325, 162.4086

 1.3123, 0.4038,
2.4031

159.4345,
139.6101, 202.0132

 0.1924, 0.0000,
0.7881

196.7160,

 0.0000, 0.0000,

174.4713, 247.5836

0.0000

239.3985,
214.7005, 299.5382

■ 28.7066, 21.6441,
39.2239

■ 28.7066, 21.6441,
39.2239

■ 27.0521, 18.4522,
38.3102

■ 30.7102, 25.5327,
40.2567

■ 25.7240, 15.9128,
37.5073

■ 33.0799, 30.1529,
41.4135

■ 24.7002, 13.9813,
36.8081

■ 35.8337, 35.5408,
42.7006

■ 23.9549, 12.6062,
36.2039

■ 38.9882, 41.7293,
44.1235

■ 23.4582, 11.7275,
35.6848

■ 42.5588, 48.7494,
45.6874

■ 23.1622, 11.2495,
35.2349

■ 46.5603, 56.6303,
47.3971

■ 23.1021, 11.1559,
35.1324

■ 51.0064, 65.3999,
49.2574

■ 55.9106, 75.0849,
51.2726

■ 59.9947, 83.1289,
53.0167

Harmonies

Analogous

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



24.8298, 21.6441, 52.6320



28.7066, 21.6441, 39.2239



30.3780, 21.6441, 24.5310

Triad

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



28.7066, 21.6441, 39.2239



20.9061, 21.6441, 6.5661



13.8835, 21.6441, 36.9548

Complementary

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



28.7066, 21.6441, 39.2239



23.0798, 32.9184, 19.6067

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.



13.1423, 21.6441, 22.6281



28.7066, 21.6441, 39.2239



16.8312, 21.6441, 7.8391

Square

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



28.7066, 21.6441, 39.2239



25.4879, 21.6441, 8.3048



14.1407, 21.6441, 12.7536



16.3328, 21.6441, 51.0231

Rectangle

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



28.7066, 21.6441, 39.2239



29.8587, 21.6441, 16.8394



14.1407, 21.6441, 12.7536



13.4433, 21.6441, 31.8826

Sweetspot

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



28.7073, 21.6451, 39.2244



63.1580, 60.8463, 76.6171



18.6113, 16.4079, 40.2168



13.9370, 13.2803, 17.0172



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.



28.7073, 21.6451, 39.2244



49.5864, 34.4479, 69.7969



26.1668, 20.6289, 25.8465



7.8265, 7.6605, 9.4035



16.9998, 8.2087, 25.8745



0.4181, 0.2015, 0.6530

Inverse Universe

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



28.7073, 21.6451, 39.2244



49.5864, 34.4479, 69.7969



25.0629, 33.7117, 30.0495



7.8265, 7.6605, 9.4035



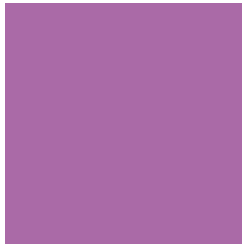
16.9998, 8.2087, 25.8745



0.4181, 0.2015, 0.6530

Previews

White Background



This preview shows how the XYZ color 28.7066, 21.6441, 39.2239 looks on a white background.

Color Contrast Check

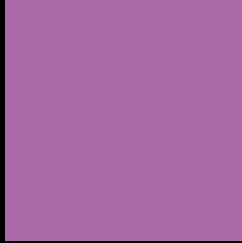
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.7066, 21.6441, 39.2239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

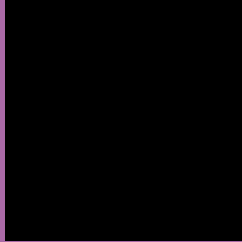
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.7066, 21.6441, 39.2239

Background



This preview shows how black text looks on a background with the XYZ color 28.7066, 21.6441, 39.2239.



This preview shows how white text looks on a background with the XYZ color 28.7066, 21.6441,

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

28.7066, 21.6441, 39.2239

Protanopia

22.6922, 21.9771, 47.8458

Deuteranopia

22.2401, 21.7770, 37.6815



Tritanopia

25.0787, 21.6092, 21.9180

Trichromacy



Original Color

28.7066, 21.6441, 39.2239

Protanomaly

24.0484, 21.2735, 44.4337

Deuteranomaly

24.1129, 21.4494, 37.9912

Tritanomaly

26.2537, 21.5888, 27.5943

Monochromacy



Original Color

28.7066, 21.6441, 39.2239

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

24.0479, 22.3212, 29.8290

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7066, 21.6441, 39.2239 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(170, 106, 167)` looks like.

```
.text, #text, p{  
    color:rgb(170, 106, 167)  
}
```

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(170, 106, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 106, 167) }
```

Border

The CSS property to change the border of an element to XYZ 28.7066, 21.6441, 39.2239 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(170, 106, 167) }
```


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

```
.border{ border-color:rgb(170, 106, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 106, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 106, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 106, 167);  
box-shadow:4px 4px 4px 4px rgb(170, 106,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7066, 21.6441, 39.2239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 106, 167) }
```

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

```
.background{ background-color: rgb(170,  
106, 167) }
```

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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