

Converting Colors

XYZ(28.6950, 22.4881, 36.5465)

Have a look what the booklet for
XYZ(28.6950, 22.4881, 36.5465)
contains.

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Color

**XYZ(28.6950, 22.4881,
36.5465)**

Conversions

Conversions Part 1

Format	Color
Hex	AA6FA1
RGB	170, 111, 161
RGB Percent	67%, 44%, 63%
CMY	0.3333, 0.5647, 0.3686
CMYK	0.00, 0.35, 0.05, 0.33
HSL	309°, 26%, 55%
HSV	309°, 35%, 67%
XYZ	28.6950, 22.4881, 36.5465
YIQ	134.3410, 19.1140, 28.0580

Conversions

Conversions Part 2

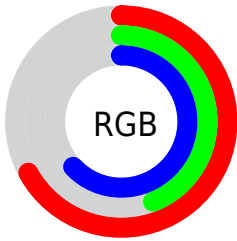
Format	Color
R_{YB}	170, 111, 161
Decimal	11169697
CIE _{Lab}	54.54, 31.37, -17.37
CIE _{LCh}	55, 35.855, 331.023
Yxy	22.4881, 0.3271, 0.2563
Android (android.graphics.Color)	4289359777 (0xFFAA6FA1)
YUV	134.3410, 13.1429, 31.2729
Hunter-Lab	47.4216, 25.0232, -12.4980

Details

The XYZ color **28.6950, 22.4881, 36.5465** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **24.3213, 33.4857, 22.9521**, and the grayscale version is **22.7342, 23.9182, 26.0469**.

A 20% lighter version of the original color is **57.0342, 47.6775, 71.1624**, and **11.8191, 8.3313, 15.4532** is the 20% darker color. If you saturate the color by 10%, you get **26.7875, 19.0349, 34.7942**, and if you desaturate by 10%, it is **30.9617, 26.6512, 38.4424**.

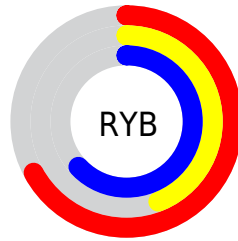
Distribution



Red (67%)

Green (44%)

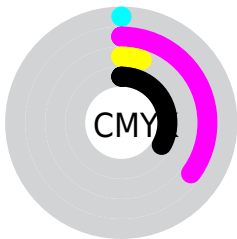
Blue (63%)



Red (67%)

Yellow (44%)

Blue (63%)

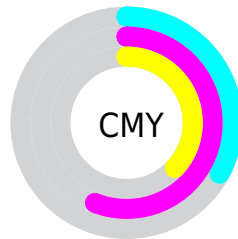


Cyan (0%)

Magenta (35%)

Yellow (5%)

Black (33%)



Cyan (33%)


Magenta (56%)


Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.6950, 22.4881, 36.5465 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 28.6950, 22.4881, 36.5465 by changing the saturation by 10% instead.


 28.6950, 22.4881,
36.5465


 28.6950, 22.4881,
36.5465


287.7934,
265.0848, 346.4523


 18.9933, 14.2160,
24.5635


 56.9931, 47.5514,
71.0533


 11.7694, 8.2710,
15.5361


 76.3202, 65.1114,
94.4141

 6.6580, 4.2689,
9.0457


 99.5865, 86.5361,
122.4047

 3.2935, 1.8251,
4.6738

 127.1573,
112.2100, 155.4436

 1.3108, 0.5027,
2.0018

159.3981,
142.5174, 193.9492

 0.1913, 0.0000,
0.5564

196.6741,

 0.0000, 0.0000,

177.8427, 238.3402

0.0000

239.3508,
218.5704, 289.0350

■ 28.6950, 22.4881,
36.5465

■ 28.6950, 22.4881,
36.5465

■ 26.7875, 19.0349,
34.7942

■ 30.9617, 26.6512,
38.4424

■ 25.2169, 16.2484,
33.1771

■ 33.6039, 31.5582,
40.4869

■ 23.9618, 14.0854,
31.6884

■ 36.6397, 37.2446,
42.6862

■ 22.9974, 12.4964,
30.3196

■ 40.0851, 43.7426,
45.0459

■ 22.2952, 11.4243,
29.0610

■ 43.9555, 51.0827,
47.5711

■ 21.8203, 10.7995,
27.9009

■ 48.2652, 59.2937,
50.2670

■ 21.6169, 10.5618,
27.3117

■ 53.0281, 68.4032,
53.1381

■ 58.2574, 78.4375,
56.1890

■ 61.0253, 83.5412,
58.4439

Harmonies

Analogous

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



25.5130, 22.4881, 48.1267



28.6950, 22.4881, 36.5465



29.8609, 22.4881, 24.1011

Triad

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



28.6950, 22.4881, 36.5465



21.2395, 22.4881, 8.5887



15.5272, 22.4881, 37.4282

Complementary

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



28.6950, 22.4881, 36.5465



24.3213, 33.4857, 22.9521

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.



14.6704, 22.4881, 24.8744



28.6950, 22.4881, 36.5465



17.7093, 22.4881, 10.2214

Square

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



28.6950, 22.4881, 36.5465



25.2507, 22.4881, 10.0070



15.4183, 22.4881, 15.4216



17.9164, 22.4881, 48.7360

Rectangle

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



28.6950, 22.4881, 36.5465



29.2378, 22.4881, 17.5096



15.4183, 22.4881, 15.4216



15.0645, 22.4881, 33.1051

Sweetspot

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



28.6957, 22.4891, 36.5470



63.3710, 61.7458, 75.2277



20.6661, 18.2546, 40.4649



13.9669, 13.4606, 16.6556



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.



28.6957, 22.4891, 36.5470



49.2259, 35.6566, 63.7277



26.4037, 21.5723, 24.4777



7.7920, 7.6467, 9.2218



15.9179, 7.7759, 20.1772



0.4001, 0.1943, 0.5586

Inverse Universe

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



28.6957, 22.4891, 36.5470



49.2259, 35.6566, 63.7277



26.3839, 34.3107, 33.8134



7.7920, 7.6467, 9.2218



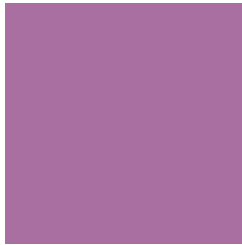
15.9179, 7.7759, 20.1772



0.4001, 0.1943, 0.5586

Previews

White Background



This preview shows how the XYZ color 28.6950, 22.4881, 36.5465 looks on a white background.

Color Contrast Check

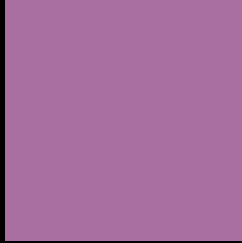
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.6950, 22.4881, 36.5465 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

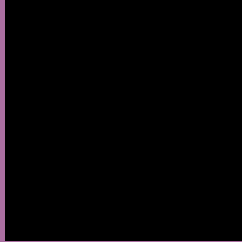
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.6950, 22.4881, 36.5465

Background



This preview shows how black text looks on a background with the XYZ color 28.6950, 22.4881, 36.5465.



This preview shows how white text looks on a background with the XYZ color 28.6950, 22.4881,

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

28.6950, 22.4881, 36.5465

Protanopia

22.9615, 22.6081, 43.1980

Deuteranopia

23.0966, 22.6528, 35.5029



Tritanopia

26.0351, 22.5962, 23.0680

Trichromacy



Original Color

28.6950, 22.4881, 36.5465

Protanomaly

24.4375, 22.1020, 40.5142

Deuteranomaly

24.8946, 22.4420, 35.8205

Tritanomaly

26.7273, 22.3410, 27.3297

Monochromacy



Original Color

28.6950, 22.4881, 36.5465

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

24.5275, 23.1384, 29.5590

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6950, 22.4881, 36.5465 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, 111, 161)` looks like.

```
.text, #text, p{  
    color:rgb(170, 111, 161)  
}
```

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, 111, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 111, 161) }
```

Border

The CSS property to change the border of an element to XYZ 28.6950, 22.4881, 36.5465 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, 111, 161) }
```


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

```
.border{ border-color:rgb(170, 111, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 111, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 111, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 111, 161);  
box-shadow:4px 4px 4px 4px rgb(170, 111,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6950, 22.4881, 36.5465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 111, 161) }
```

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

```
.background{ background-color: rgb(170,  
111, 161) }
```

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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