

Converting Colors

XYZ(28.4113, 22.0787, 33.5046)

Have a look what the booklet for
XYZ(28.4113, 22.0787, 33.5046)
contains.

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Color

**XYZ(28.3146, 22.0410,
33.3338)**

Conversions

Conversions Part 1

Format	Color
Hex	AC6D9A
RGB	172, 109, 154
RGB Percent	67%, 43%, 60%
CMY	0.3255, 0.5725, 0.3961
CMYK	0.00, 0.37, 0.10, 0.33
HSL	317°, 28%, 55%
HSV	317°, 37%, 67%
XYZ	28.3146, 22.0410, 33.3338
YIQ	132.9670, 23.1030, 27.3510

Conversions

Conversions Part 2

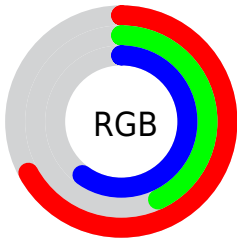
Format	Color
R _Y B	172, 109, 154
Decimal	11300250
CIE Lab	54.07, 31.91, -13.98
CIE LCh	54, 34.836, 336.334
Yxy	22.0410, 0.3383, 0.2634
Android (android.graphics.Color)	4289490330 (0xFFAC6D9A)
YUV	132.9670, 10.3693, 34.2319
Hunter-Lab	46.9478, 25.4960, -9.2335

Details

The XYZ color **28.3146, 22.0410, 33.3338** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **24.8909, 34.2892, 25.3867**, and the grayscale version is **22.2405, 23.3987, 25.4812**.

A 20% lighter version of the original color is **56.3004, 46.8887, 65.7576**, and **11.5353, 8.0625, 13.7802** is the 20% darker color. If you saturate the color by 10%, you get **26.2553, 18.5638, 30.6691**, and if you desaturate by 10%, it is **30.7511, 26.2450, 36.2073**.

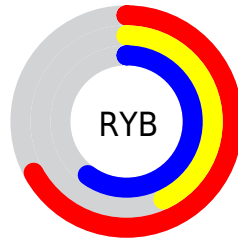
Distribution



Red (67%)

Green (43%)

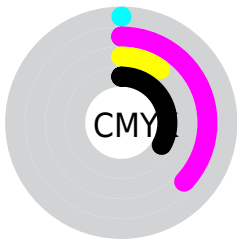
Blue (60%)



Red (67%)

Yellow (43%)

Blue (60%)

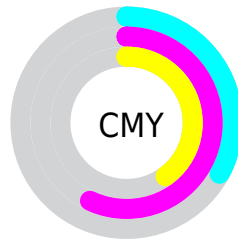


Cyan (0%)

Magenta (37%)

Yellow (10%)

Black (33%)



Cyan (33%)


Magenta (57%)

Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.3146, 22.0410, 33.3338 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 28.3146, 22.0410, 33.3338 by changing the saturation by 10% instead.

 28.3146, 22.0410,
33.3338


 28.3146, 22.0410,
33.3338

286.0200,
262.7603, 331.8292


 18.7046, 13.8870,
22.1091

 56.3915, 46.8138,
66.0183


 11.5598, 8.0421,
13.7380


 75.5890, 64.2013,
88.3152

 6.5147, 4.1219,
7.8020


 98.7132, 85.4355,
115.1399

 3.2041, 1.7420,
3.8826

 126.1293,
110.9008, 146.9109

 1.2626, 0.4506,
1.5611

158.2027,
140.9815, 184.0468

 0.1550, 0.0000,
0.2629

195.2987,

 0.0000, 0.0000,

176.0621, 226.9661

0.0000

237.7827,
216.5269, 276.0874

■ 28.3146, 22.0410,
33.3338

■ 28.3146, 22.0410,
33.3338

■ 26.2553, 18.5638,
30.6691

■ 30.7511, 26.2450,
36.2073

■ 24.5499, 15.7682,
28.2039

■ 33.5821, 31.2114,
39.2959

■ 23.1756, 13.6087,
25.9298

■ 36.8267, 36.9774,
42.6068

■ 22.1061, 12.0329,
23.8370

■ 40.5017, 43.5764,
46.1468

■ 21.3108, 10.9801,
21.9143

■ 44.6231, 51.0404,
49.9220

■ 20.7470, 10.3650,
20.1464

■ 49.2062, 59.3993,
53.9384

■ 20.5795, 10.1972,
19.5748

■ 54.2654, 68.6818,
58.2018

■ 59.8145, 78.9152,
62.7175

■ 62.9932, 84.3787,
66.5331

Harmonies

Analogous

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



25.5444, 22.0410, 44.9083



28.3146, 22.0410, 33.3338



29.0114, 22.0410, 21.7806

Triad

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



28.3146, 22.0410, 33.3338



20.1597, 22.0410, 8.7139



15.6356, 22.0410, 38.5202

Complementary

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



28.3146, 22.0410, 33.3338



24.8909, 34.2892, 25.3867

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.



14.5391, 22.0410, 26.3629



28.3146, 22.0410, 33.3338



16.9412, 22.0410, 10.8590

Square

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



28.3146, 22.0410, 33.3338



23.9958, 22.0410, 9.5642



14.9867, 22.0410, 16.5930



18.1722, 22.0410, 48.4769

Rectangle

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



28.3146, 22.0410, 33.3338



28.1406, 22.0410, 15.9174



14.9867, 22.0410, 16.5930



15.1011, 22.0410, 34.4364

Sweetspot

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



28.3153, 22.0420, 33.3343



64.0227, 62.1162, 74.4978



21.6461, 18.4175, 41.4441



13.7477, 13.2046, 16.0205



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.



28.3153, 22.0420, 33.3343



48.2678, 34.7413, 56.4986



26.0360, 21.1303, 21.3316



8.2380, 8.1085, 9.5642



15.3389, 7.5981, 14.6957



0.4487, 0.2202, 0.5246

Inverse Universe

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



28.3153, 22.0420, 33.3343



48.2678, 34.7413, 56.4986



27.2617, 35.2375, 37.8713



8.2380, 8.1085, 9.5642



15.3389, 7.5981, 14.6957



0.4487, 0.2202, 0.5246

Previews

White Background



This preview shows how the XYZ color 28.3146, 22.0410, 33.3338 looks on a white background.

Color Contrast Check

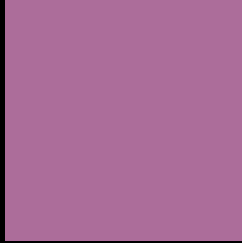
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.3146, 22.0410, 33.3338 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

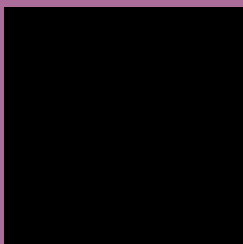
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.3146, 22.0410, 33.3338

Background



This preview shows how black text looks on a background with the XYZ color 28.3146, 22.0410, 33.3338.



This preview shows how white text looks on a background with the XYZ color 28.3146, 22.0410,

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

28.3146, 22.0410, 33.3338

Protanopia

22.3020, 22.1503, 39.6592

Deuteranopia

22.5625, 22.0616, 32.3473



Tritanopia

25.9173, 22.0415, 21.9572

Trichromacy



Original Color

28.3146, 22.0410, 33.3338

Protanomaly

23.8402, 21.6867, 37.1118

Deuteranomaly

24.4166, 21.9030, 32.6466

Tritanomaly

26.6405, 21.9945, 25.7629

Monochromacy



Original Color

28.3146, 22.0410, 33.3338

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

24.0480, 22.5414, 28.2828

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3146, 22.0410, 33.3338 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(172, 109, 154)` looks like.

```
.text, #text, p{  
    color:rgb(172, 109, 154)  
}
```

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(172, 109, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 109, 154) }
```

Border

The CSS property to change the border of an element to XYZ 28.3146, 22.0410, 33.3338 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(172, 109, 154) }
```


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

```
.border{ border-color:rgb(172, 109, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 109, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 109, 154); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 109, 154); box-shadow:4px 4px 4px 4px rgb(172, 109, 154) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3146, 22.0410, 33.3338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 109, 154) }
```

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

```
.background{ background-color: rgb(172,  
109, 154) }
```

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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