

Converting Colors

XYZ(28.3210, 21.7071, 35.0841)

Have a look what the booklet for
XYZ(28.3210, 21.7071, 35.0841)
contains.

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Color

**XYZ(28.2238, 21.6419,
35.0375)**

Conversions

Conversions Part 1

Format	Color
Hex	AB6B9E
RGB	171, 107, 158
RGB Percent	67%, 42%, 62%
CMY	0.3294, 0.5804, 0.3804
CMYK	0.00, 0.37, 0.08, 0.33
HSL	312°, 28%, 55%
HSV	312°, 37%, 67%
XYZ	28.2238, 21.6419, 35.0375
YIQ	131.9500, 21.7730, 29.4290

Conversions

Conversions Part 2

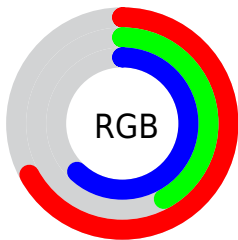
Format	Color
R_{YB}	171, 107, 158
Decimal	11234206
CIE _{Lab}	53.64, 33.38, -16.98
CIE _{LCh}	54, 37.451, 333.047
Yxy	21.6419, 0.3324, 0.2549
Android (android.graphics.Color)	4289424286 (0xFFAB6B9E)
YUV	131.9500, 12.8427, 34.2469
Hunter-Lab	46.5209, 26.8829, -12.0901

Details

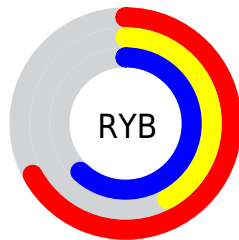
The XYZ color **28.2238, 21.6419, 35.0375** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **24.0174, 33.6083, 22.9918**, and the grayscale version is **21.8644, 23.0030, 25.0503**.

A 20% lighter version of the original color is **56.2596, 46.2766, 68.9179**, and **11.5030, 7.8696, 14.8226** is the 20% darker color. If you saturate the color by 10%, you get **26.3196, 18.3048, 32.9485**, and if you desaturate by 10%, it is **30.4904, 25.6894, 37.2895**.

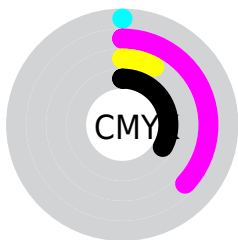
Distribution



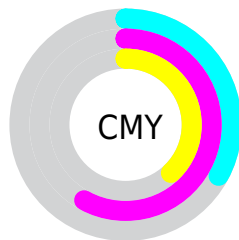
- Red (67%)
- Green (42%)
- Blue (62%)



- Red (67%)
- Yellow (42%)
- Blue (62%)



- Cyan (0%)
- Magenta (37%)
- Yellow (8%)
- Black (33%)





- Cyan (33%)
- Magenta (58%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.2238, 21.6419, 35.0375 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 28.2238, 21.6419, 35.0375 by changing the saturation by 10% instead.


 28.2238, 21.6419,
35.0375


 28.2238, 21.6419,
35.0375


285.5955,
260.6704, 339.6431

 18.6357, 13.5940,
23.4080


 56.2477, 46.1534,
68.6961

 11.5098, 7.8388,
14.6869


 75.4143, 63.3858,
91.5622

 6.4807, 3.9920,
8.4558


 98.5044, 84.4486,
119.0110

 3.1829, 1.6691,
4.2960

 125.8834,
109.7260, 151.4609

 1.2512, 0.4035,
1.7891

157.9166,
139.6025, 189.3306

 0.1462, 0.0000,
0.4208

194.9695,

 0.0000, 0.0000,

174.4624, 233.0385

0.0000

237.4073,
214.6903, 283.0031

■ 28.2238, 21.6419,
35.0375

■ 28.2238, 21.6419,
35.0375

■ 26.3196, 18.3048,
32.9485

■ 30.4904, 25.6894,
37.2895

■ 24.7547, 15.6335,
31.0137

■ 33.1366, 30.4827,
39.7098

■ 23.5067, 13.5826,
29.2256

■ 36.1808, 36.0585,
42.3051

■ 22.5495, 12.1000,
27.5751

■ 39.6399, 42.4501,
45.0815

■ 21.8527, 11.1252,
26.0517

■ 43.5295, 49.6888,
48.0443

■ 21.3693, 10.5643,
24.6395

■ 47.8646, 57.8044,
51.1990

■ 21.2575, 10.4431,
24.2864

■ 52.6593, 66.8252,
54.5506

■ 57.9273, 76.7781,
58.1039

■ 61.7687, 83.8636,
61.2260

Harmonies

Analogous

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



25.0603, 21.6419, 47.2987



28.2238, 21.6419, 35.0375



29.2553, 21.6419, 22.4118

Triad

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



28.2238, 21.6419, 35.0375



20.1635, 21.6419, 7.6925



14.7681, 21.6419, 37.7487

Complementary

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



28.2238, 21.6419, 35.0375



24.0174, 33.6083, 22.9918

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.



13.8002, 21.6419, 24.7557



28.2238, 21.6419, 35.0375



16.6509, 21.6419, 9.4934

Square

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



28.2238, 21.6419, 35.0375



24.2606, 21.6419, 8.8685



14.4424, 21.6419, 14.9168



17.2740, 21.6419, 49.1880

Rectangle

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



28.2238, 21.6419, 35.0375



28.4986, 21.6419, 15.9438



14.4424, 21.6419, 14.9168



14.2679, 21.6419, 33.2927

Sweetspot

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



28.2245, 21.6429, 35.0379



62.6565, 60.6457, 73.9760



20.3274, 17.4355, 40.8225



13.8123, 13.2304, 16.3607



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.



28.2245, 21.6429, 35.0379



47.6498, 33.6732, 59.5989



25.8319, 20.6858, 22.4387



8.2663, 8.1198, 9.7132



16.0440, 7.8802, 18.4091



0.4638, 0.2262, 0.6039

Inverse Universe

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



28.2245, 21.6429, 35.0379



47.6498, 33.6732, 59.5989



26.2782, 34.5127, 34.8973



8.2663, 8.1198, 9.7132



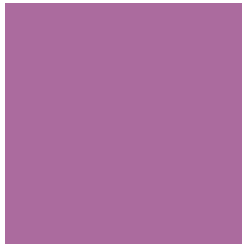
16.0440, 7.8802, 18.4091



0.4638, 0.2262, 0.6039

Previews

White Background



This preview shows how the XYZ color 28.2238, 21.6419, 35.0375 looks on a white background.

Color Contrast Check

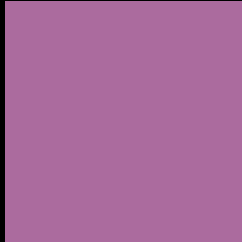
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.2238, 21.6419, 35.0375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

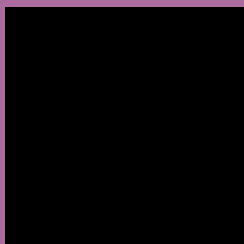
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.2238, 21.6419, 35.0375

Background



This preview shows how black text looks on a background with the XYZ color 28.2238, 21.6419, 35.0375.



This preview shows how white text looks on a background with the XYZ color 28.2238, 21.6419,

35.0375.

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

28.2238, 21.6419, 35.0375

Protanopia

22.2382, 21.8703, 42.0790

Deuteranopia

22.2793, 21.8775, 34.0589



Tritanopia

25.5288, 21.6802, 21.5781

Trichromacy



Original Color

28.2238, 21.6419, 35.0375

Protanomaly

23.8449, 21.4572, 39.4441

Deuteranomaly

24.0992, 21.5232, 34.3367

Tritanomaly

26.2768, 21.4713, 26.0520

Monochromacy



Original Color

28.2238, 21.6419, 35.0375

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

23.7447, 22.2000, 28.2328

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2238, 21.6419, 35.0375 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(171, 107, 158)` looks like.

```
.text, #text, p{  
    color:rgb(171, 107, 158)  
}
```

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(171, 107, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 107, 158) }
```

Border

The CSS property to change the border of an element to XYZ 28.2238, 21.6419, 35.0375 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(171, 107, 158) }
```


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

```
.border{ border-color:rgb(171, 107, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 107, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 107, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 107, 158);  
box-shadow:4px 4px 4px 4px rgb(171, 107,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2238, 21.6419, 35.0375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 107, 158) }
```

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

```
.background{ background-color: rgb(171,  
107, 158) }
```

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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