

Converting Colors

XYZ(21.9758, 18.7233, 36.5965)

Have a look what the booklet for
XYZ(21.9758, 18.7233, 36.5965)
contains.

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Color

**XYZ(21.9819, 18.6968,
36.6327)**

Conversions

Conversions Part 1

Format	Color
Hex	876DA2
RGB	135, 109, 162
RGB Percent	53%, 43%, 64%
CMY	0.4706, 0.5725, 0.3647
CMYK	0.17, 0.33, 0.00, 0.36
HSL	269°, 22%, 53%
HSV	269°, 33%, 64%
XYZ	21.9819, 18.6968, 36.6327
YIQ	122.8160, -1.5170, 21.9950

Conversions

Conversions Part 2

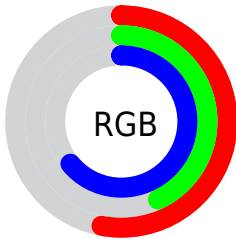
Format	Color
R_{YB}	135, 109, 162
Decimal	8875426
CIE _{Lab}	50.33, 21.00, -24.74
CIE _{LCh}	50, 32.452, 310.331
Yxy	18.6968, 0.2843, 0.2418
Android (android.graphics.Color)	4287065506 (0xFF876DA2)
YUV	122.8160, 19.3177, 10.6854
Hunter-Lab	43.2398, 15.0748, -19.9626

Details

The XYZ color **21.9819, 18.6968, 36.6327** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **25.8346, 32.1795, 19.3184**, and the grayscale version is **18.7054, 19.6796, 21.4311**.

A 20% lighter version of the original color is **46.2555, 41.3183, 71.1829**, and **8.1394, 6.3481, 15.5482** is the 20% darker color. If you saturate the color by 10%, you get **19.1337, 14.8955, 36.0494**, and if you desaturate by 10%, it is **25.2528, 23.1897, 37.3278**.

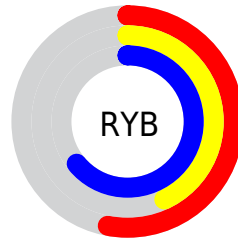
Distribution



Red (53%)

Green (43%)

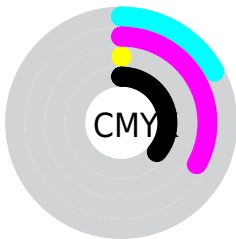
Blue (64%)



Red (53%)

Yellow (43%)

Blue (64%)

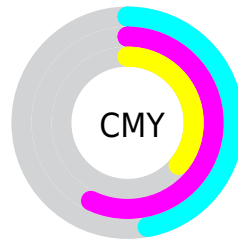


Cyan (17%)

Magenta (33%)

Yellow (0%)

Black (36%)



Cyan (47%)

Magenta (57%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9819, 18.6968, 36.6327 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 21.9819, 18.6968, 36.6327 by changing the saturation by 10% instead.

■ 21.9819, 18.6968,
36.6327

■ 21.9819, 18.6968,
36.6327

255.0859,
244.7698, 346.8383

■ 13.9601, 11.4514,
24.6297

■ 46.1952, 41.2211,
71.1875

■ 8.1745, 6.3713,
15.5849

■ 63.1174, 57.2689,
94.5764

■ 4.2595, 3.0722,
9.0797

■ 83.7371, 77.0195,
122.5976

■ 1.8500, 1.1695,
4.6957

■ 108.4197,
100.8574, 155.6698

■ 0.5475, 0.0366,
2.0142

137.5305,
129.1670, 194.2114

■ 0.0000, 0.0000,
0.5640

171.4349,

■ 0.0000, 0.0000,

162.3326, 238.6410

0.0000

210.4982,
200.7388, 289.3771

■ 21.9819, 18.6968,
36.6327

■ 21.9819, 18.6968,
36.6327

■ 19.1337, 14.8955,
36.0494

■ 25.2528, 23.1897,
37.3278

■ 16.6865, 11.7473,
35.5707

■ 28.9629, 28.4054,
38.1390

■ 14.6194, 9.2133,
35.1906

■ 33.1302, 34.3761,
39.0718

■ 12.9083, 7.2494,
34.9017

■ 37.7709, 41.1310,
40.1311

■ 11.5261, 5.8051,
34.6957

■ 42.9005, 48.6981,
41.3213

10.4412, 4.8209,
34.5629

48.5336, 57.1037,
42.6469

9.7855, 4.2912,
34.4953

54.6844, 66.3732,
44.1119

61.3662, 76.5306,
45.7203

68.5921, 87.5991,
47.4759

Harmonies

Analogous

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



18.8782, 18.6968, 42.6095



21.9819, 18.6968, 36.6327



24.0997, 18.6968, 26.7656

Triad

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



21.9819, 18.6968, 36.6327



19.8863, 18.6968, 8.0107



12.4576, 18.6968, 23.6265

Complementary

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



21.9819, 18.6968, 36.6327



25.8346, 32.1795, 19.3184

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.



12.6599, 18.6968, 15.0639



21.9819, 18.6968, 36.6327



16.7075, 18.6968, 7.6249

Square

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



21.9819, 18.6968, 36.6327



22.7944, 18.6968, 11.0752



14.1350, 18.6968, 9.7982



13.5454, 18.6968, 33.7599

Rectangle

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



21.9819, 18.6968, 36.6327



24.5347, 18.6968, 20.2576



14.1350, 18.6968, 9.7982



12.3804, 18.6968, 20.4580

Sweetspot

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



21.9825, 18.6976, 36.6331



54.4101, 54.1724, 69.6447



21.6872, 23.5770, 37.5905



12.0008, 11.8542, 15.5931



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.9825, 18.6976, 36.6331



36.1949, 28.9659, 65.7394



26.7122, 21.1358, 36.8545



7.0158, 7.0225, 8.8888



7.7587, 3.4062, 27.1783



0.2176, 0.0997, 0.5736

Inverse Universe

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



24.8134, 20.3970, 25.9224



42.2805, 32.6199, 42.6745



22.0972, 30.2528, 19.1435



7.2173, 7.1434, 8.1306



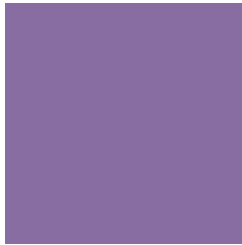
12.9764, 6.5466, 7.0665



0.2965, 0.1471, 0.2739

Previews

White Background



This preview shows how the XYZ color 21.9819, 18.6968, 36.6327 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 21.9819, 18.6968, 36.6327 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 21.9819, 18.6968, 36.6327

Background



This preview shows how black text looks on a background with the XYZ color 21.9819, 18.6968, 36.6327.



This preview shows how white text looks on a background with the XYZ color 21.9819, 18.6968,

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

21.9819, 18.6968, 36.6327

Protanopia

19.3488, 18.7645, 40.1382

Deuteranopia

19.1303, 18.7461, 35.8678



Tritanopia

19.0003, 18.6386, 21.9982

Trichromacy



Original Color

21.9819, 18.6968, 36.6327

Protanomaly

20.0839, 18.6595, 38.6195

Deuteranomaly

20.0350, 18.6862, 36.2691

Tritanomaly

19.8526, 18.4705, 26.5636

Monochromacy



Original Color

21.9819, 18.6968, 36.6327

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.7462, 19.2750, 26.3466

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9819, 18.6968, 36.6327 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(135, 109, 162)` looks like.

```
.text, #text, p{  
    color:rgb(135, 109, 162)  
}
```

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(135, 109, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 109, 162) }
```

Border

The CSS property to change the border of an element to XYZ 21.9819, 18.6968, 36.6327 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(135, 109, 162) }
```


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

```
.border{ border-color:rgb(135, 109, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 109, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 109, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 109, 162);  
box-shadow:4px 4px 4px 4px rgb(135, 109,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9819, 18.6968, 36.6327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 109, 162) }
```

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

```
.background{ background-color: rgb(135,  
109, 162) }
```

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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