

Converting Colors

XYZ(16.9448, 12.5806, 21.6071)

Have a look what the booklet for
XYZ(16.9448, 12.5806, 21.6071)
contains.

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Color

**XYZ(16.8528, 12.5039,
21.6039)**

Conversions

Conversions Part 1

Format	Color
Hex	88507F
RGB	136, 80, 127
RGB Percent	53%, 31%, 50%
CMY	0.4667, 0.6863, 0.5020
CMYK	0.00, 0.41, 0.07, 0.47
HSL	310°, 26%, 42%
HSV	310°, 41%, 53%
XYZ	16.8528, 12.5039, 21.6039
YIQ	102.1020, 18.2890, 26.4890

Conversions

Conversions Part 2

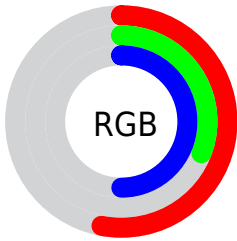
Format	Color
R_{YB}	136, 80, 127
Decimal	8933503
CIE _{Lab}	42.01, 30.87, -16.64
CIE _{LCh}	42, 35.071, 331.675
Yxy	12.5039, 0.3307, 0.2454
Android (android.graphics.Color)	4287123583 (0xFF88507F)
YUV	102.1020, 12.2747, 29.7285
Hunter-Lab	35.3609, 23.1907, -11.4709

Details

The XYZ color **16.8528, 12.5039, 21.6039** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **13.9162, 20.0355, 12.5859**, and the grayscale version is **12.6219, 13.2792, 14.4611**.

A 20% lighter version of the original color is **37.5897, 30.4750, 47.0811**, and **5.6380, 3.5144, 7.5889** is the 20% darker color. If you saturate the color by 10%, you get **15.8152, 10.6540, 20.5628**, and if you desaturate by 10%, it is **18.0959, 14.7593, 22.7290**.

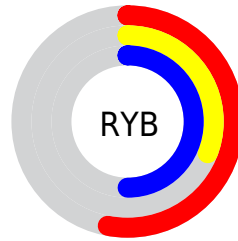
Distribution



Red (53%)

Green (31%)

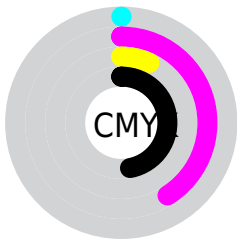
Blue (50%)



Red (53%)

Yellow (31%)

Blue (50%)

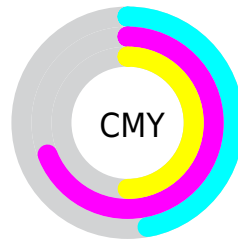


Cyan (0%)

Magenta (41%)

Yellow (7%)

Black (47%)



Cyan (47%)

Magenta (69%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8528, 12.5039, 21.6039 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 16.8528, 12.5039, 21.6039 by changing the saturation by 10% instead.

■ 16.8528, 12.5039,
21.6039

■ 16.8528, 12.5039,
21.6039

227.4955,
207.7133, 273.3564

■ 10.2242, 7.0878,
13.3706

■ 37.6181, 30.4096,
46.9842

■ 5.6113, 3.5171,
7.5505

■ 52.4856, 43.6680,
64.9683

■ 2.6486, 1.4073,
3.7251

■ 70.8301, 60.3093,
87.0398

■ 0.9708, 0.2221,
1.4758

■ 93.0170, 80.7179,
113.6172

■ 0.0000, 0.0000,
0.1998

■ 119.4116,
105.2782, 145.1190

■ 0.0000, 0.0000,
0.0000

150.3794,

134.3746, 181.9637

186.2855,
168.3915, 224.5700

■ 16.8528, 12.5039,
21.6039

■ 16.8528, 12.5039,
21.6039

■ 15.8152, 10.6540,
20.5628

■ 18.0959, 14.7593,
22.7290

■ 14.9696, 9.1834,
19.6008

■ 19.5545, 17.4410,
23.9411

■ 14.3028, 8.0656,
18.7134

■ 21.2394, 20.5703,
25.2441

■ 13.7994, 7.2698,
17.8955

■ 23.1603, 24.1667,
26.6413

■ 13.4415, 6.7599,
17.1409

■ 25.3264, 28.2483,
28.1359

■ 13.1988, 6.4524,
16.5116

■ 27.7464, 32.8326,
29.7308

■ 30.4284, 37.9359,
31.4288

■ 33.3804, 43.5739,
33.2328

■ 36.6099, 49.7617,
35.1452

Harmonies

Analogous

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



14.7088, 12.5039, 29.8035



16.8528, 12.5039, 21.6039



17.6172, 12.5039, 13.2004

Triad

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



16.8528, 12.5039, 21.6039



11.7390, 12.5039, 3.7299



8.1163, 12.5039, 22.6052

Complementary

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



16.8528, 12.5039, 21.6039



13.9162, 20.0355, 12.5859

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.



7.5538, 12.5039, 14.0375



16.8528, 12.5039, 21.6039



9.4472, 12.5039, 4.7012

Square

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



16.8528, 12.5039, 21.6039



14.4189, 12.5039, 4.4982



8.0035, 12.5039, 7.8868



9.6661, 12.5039, 30.5147

Rectangle

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



16.8528, 12.5039, 21.6039



17.1642, 12.5039, 8.9803



8.0035, 12.5039, 7.8868



7.8166, 12.5039, 19.6192

Sweetspot

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



16.8532, 12.5045, 21.6042



37.0872, 35.6124, 44.2296



11.3757, 9.6099, 24.5482



8.5108, 8.1018, 10.1839



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



16.8532, 12.5045, 21.6042



28.0568, 19.1038, 36.4342



15.3035, 11.8846, 13.4434



5.1999, 5.1154, 6.1412



12.4949, 6.1081, 15.6424



0.0873, 0.0423, 0.1265

Inverse Universe

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



16.8532, 12.5045, 21.6042



28.0568, 19.1038, 36.4342



15.2887, 20.5845, 19.8132



5.1999, 5.1154, 6.1412



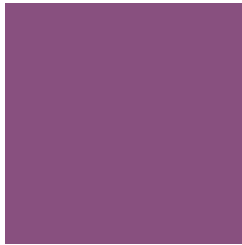
12.4949, 6.1081, 15.6424



0.0873, 0.0423, 0.1265

Previews

White Background



This preview shows how the XYZ color 16.8528, 12.5039, 21.6039 looks on a white background.

Color Contrast Check

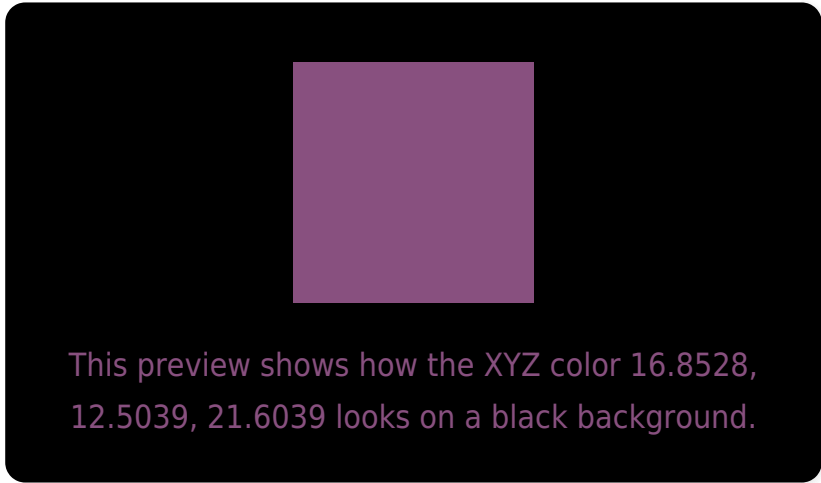
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

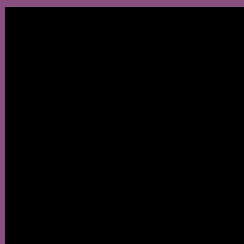
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.8528, 12.5039, 21.6039

Background



This preview shows how black text looks on a background with the XYZ color 16.8528, 12.5039, 21.6039.



This preview shows how white text looks on a background with the XYZ color 16.8528, 12.5039,

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

16.8528, 12.5039, 21.6039

Protanopia

13.0132, 12.6369, 26.9526

Deuteranopia

12.9355, 12.7320, 20.8445



Tritanopia

14.9443, 12.5301, 12.2206

Trichromacy



Original Color

16.8528, 12.5039, 21.6039

Protanomaly

13.8939, 12.2028, 24.9156

Deuteranomaly

13.9983, 12.3423, 21.0466

Tritanomaly

15.4447, 12.3678, 15.2089

Monochromacy



Original Color

16.8528, 12.5039, 21.6039

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

13.8114, 12.7305, 16.7682

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8528, 12.5039, 21.6039 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(136, 80, 127)` looks like.

```
.text, #text, p{  
    color:rgb(136, 80, 127)  
}
```

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(136, 80, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 80, 127) }
```

Border

The CSS property to change the border of an element to XYZ 16.8528, 12.5039, 21.6039 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(136, 80, 127) }
```


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

```
.border{ border-color:rgb(136, 80, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 80, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(136, 80, 127); -webkit-box-shadow:4px 4px 4px 4px rgb(136, 80, 127); box-shadow:4px 4px 4px 4px rgb(136, 80, 127) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8528, 12.5039, 21.6039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 80, 127) }
```

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

```
.background{ background-color: rgb(136, 80,  
127) }
```

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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