

Converting Colors

XYZ(21.2831, 16.8701, 39.2602)

Have a look what the booklet for
XYZ(21.2831, 16.8701, 39.2602)
contains.

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Color

**XYZ(21.2979, 16.9280,
39.1907)**

Conversions

Conversions Part 1

Format	Color
Hex	8564A8
RGB	133, 100, 168
RGB Percent	52%, 39%, 66%
CMY	0.4784, 0.6078, 0.3412
CMYK	0.21, 0.40, 0.00, 0.34
HSL	269°, 28%, 53%
HSV	269°, 40%, 66%
XYZ	21.2979, 16.9280, 39.1907
YIQ	117.6190, -2.1600, 28.1440

Conversions

Conversions Part 2

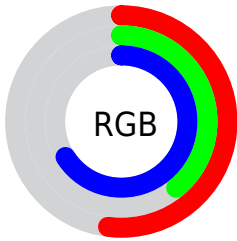
Format	Color
R_{YB}	133, 100, 168
Decimal	8742056
CIE _{Lab}	48.17, 27.10, -31.63
CIE _{LCh}	48, 41.654, 310.592
Yxy	16.9280, 0.2751, 0.2187
Android (android.graphics.Color)	4286932136 (0xFF8564A8)
YUV	117.6190, 24.8378, 13.4891
Hunter-Lab	41.1437, 20.3987, -27.6751

Details

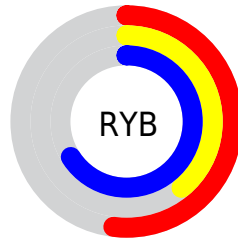
The XYZ color **21.2979, 16.9280, 39.1907** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **26.2950, 34.0766, 17.2488**, and the grayscale version is **17.0269, 17.9136, 19.5079**.

A 20% lighter version of the original color is **44.8794, 38.0257, 74.7863**, and **7.8601, 5.5108, 17.1724** is the 20% darker color. If you saturate the color by 10%, you get **18.5403, 13.3563, 38.6469**, and if you desaturate by 10%, it is **24.5014, 21.2235, 39.8513**.

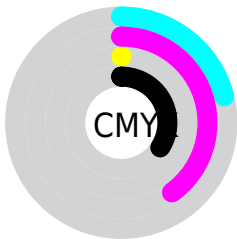
Distribution



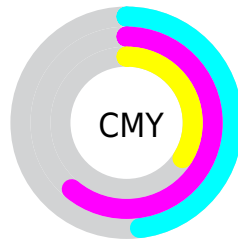
- Red (52%)
- Green (39%)
- Blue (66%)



- Red (52%)
- Yellow (39%)
- Blue (66%)



- Cyan (21%)
- Magenta (40%)
- Yellow (0%)
- Black (34%)



- Cyan (48%)
- Magenta (61%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2979, 16.9280, 39.1907 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 21.2979, 16.9280, 39.1907 by changing the saturation by 10% instead.

■ 21.2979, 16.9280,
39.1907

■ 21.2979, 16.9280,
39.1907

251.5593,
234.7571, 358.1507

■ 13.4556, 10.1832,
26.5991

■ 45.0703, 38.2019,
75.1531

■ 7.8222, 5.5206,
17.0426

■ 61.7312, 53.4998,
99.3610

■ 4.0322, 2.5558,
10.1026

■ 82.0624, 72.4176,
128.2782

■ 1.7204, 0.9045,
5.3605

■ 106.4291, 95.3395,
162.3230

■ 0.4690, 0.0000,
2.3979

135.1968,
122.6500, 201.9142

■ 0.0000, 0.0000,
0.7853

168.7309,

■ 0.0000, 0.0000,

154.7335, 247.4701

0.0000

207.3966,
191.9744, 299.4095

■ 21.2979, 16.9280,
39.1907

■ 21.2979, 16.9280,
39.1907

■ 18.5403, 13.3563,
38.6469

■ 24.5014, 21.2235,
39.8513

■ 16.2034, 10.4638,
38.2118

■ 28.1704, 26.2798,
40.6339

■ 14.2623, 8.2041,
37.8779

■ 32.3254, 32.1337,
41.5448


■ 12.6881, 6.5237,
37.6365


■ 36.9851, 38.8188,
42.5895


■ 11.4471, 5.3598,
37.4773


■ 42.1671, 46.3670,
43.7734

 10.5069, 4.6000,
37.3802

 47.8882, 54.8084,
45.1012

 54.1644, 64.1716,
46.5777

 61.0109, 74.4839,
48.2073

 68.4424, 85.7715,
49.9943

Harmonies

Analogous

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



17.4630, 16.9280, 47.4025



21.2979, 16.9280, 39.1907



23.9655, 16.9280, 26.2512

Triad

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



21.2979, 16.9280, 39.1907



18.6280, 16.9280, 4.9436



9.9498, 16.9280, 22.5292

Complementary

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



21.2979, 16.9280, 39.1907



26.2950, 34.0766, 17.2488

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.



10.1612, 16.9280, 12.3432



21.2979, 16.9280, 39.1907



14.7901, 16.9280, 4.6071

Square

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



21.2979, 16.9280, 39.1907



22.2648, 16.9280, 7.9334



11.8081, 16.9280, 6.7120



11.1768, 16.9280, 35.5666

Rectangle

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



21.2979, 16.9280, 39.1907



24.5078, 16.9280, 18.2176



11.8081, 16.9280, 6.7120



9.8605, 16.9280, 18.6475

Sweetspot

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



21.2985, 16.9287, 39.1911



57.2778, 56.3499, 75.0828



21.0065, 22.9022, 40.3595



12.2759, 11.9870, 16.3189



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



21.2985, 16.9287, 39.1911



33.9107, 24.5756, 70.1814



27.5337, 20.1430, 39.4829



7.4653, 7.4725, 9.4672



7.9932, 3.5041, 28.2306



0.2538, 0.1158, 0.6896

Inverse Universe

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



25.0792, 19.1890, 25.3041



42.0697, 29.4560, 40.1008



21.6851, 31.7002, 17.0330



7.6862, 7.6044, 8.6649



13.5035, 6.8101, 7.4629



0.3542, 0.1760, 0.3169

Previews

White Background



This preview shows how the XYZ color 21.2979, 16.9280, 39.1907 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



This preview shows how the XYZ color 21.2979, 16.9280, 39.1907 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

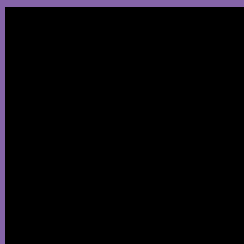
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.2979, 16.9280, 39.1907

Background



This preview shows how black text looks on a background with the XYZ color 21.2979, 16.9280, 39.1907.

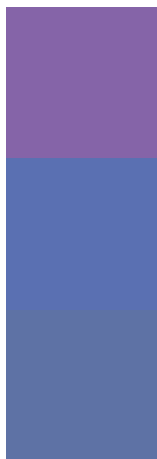


This preview shows how white text looks on a background with the XYZ color 21.2979, 16.9280,

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

21.2979, 16.9280, 39.1907

Protanopia

18.0465, 16.9764, 44.4451

Deuteranopia

17.4249, 17.1309, 37.9855



Tritanopia

17.4717, 17.0608, 19.8250

Trichromacy



Original Color

21.2979, 16.9280, 39.1907

Protanomaly

18.9464, 16.8453, 42.2973

Deuteranomaly

18.5359, 16.8786, 38.3573

Tritanomaly

18.6751, 16.9107, 25.9467

Monochromacy



Original Color

21.2979, 16.9280, 39.1907

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

18.2968, 17.3574, 25.6785

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2979, 16.9280, 39.1907 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(133, 100, 168)` looks like.

```
.text, #text, p{  
    color:rgb(133, 100, 168)  
}
```

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(133, 100, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 100, 168) }
```

Border

The CSS property to change the border of an element to XYZ 21.2979, 16.9280, 39.1907 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(133, 100, 168) }
```


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

```
.border{ border-color:rgb(133, 100, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 100, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 100, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 100, 168);  
box-shadow:4px 4px 4px 4px rgb(133, 100,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2979, 16.9280, 39.1907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 100, 168) }
```

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

```
.background{ background-color: rgb(133,  
100, 168) }
```

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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