

Converting Colors

XYZ(21.8485, 17.5014, 39.0425)

Have a look what the booklet for
XYZ(21.8485, 17.5014, 39.0425)
contains.

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Color

**XYZ(21.9726, 17.5641,
39.2779)**

Conversions

Conversions Part 1

Format	Color
Hex	8866A8
RGB	136, 102, 168
RGB Percent	53%, 40%, 66%
CMY	0.4667, 0.6000, 0.3412
CMYK	0.19, 0.39, 0.00, 0.34
HSL	271°, 27%, 53%
HSV	271°, 39%, 66%
XYZ	21.9726, 17.5641, 39.2779
YIQ	119.6900, -0.9220, 27.7340

Conversions

Conversions Part 2

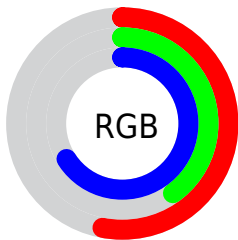
Format	Color
R _Y B	136, 102, 168
Decimal	8939176
CIE _{Lab}	48.96, 26.85, -30.37
CIE _{LCh}	49, 40.538, 311.487
Yxy	17.5641, 0.2788, 0.2229
Android (android.graphics.Color)	4287129256 (0xFF8866A8)
YUV	119.6900, 23.8168, 14.3039
Hunter-Lab	41.9095, 20.2434, -26.2303

Details

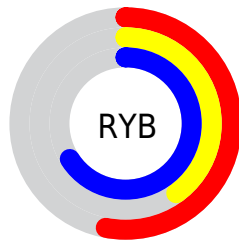
The XYZ color **21.9726, 17.5641, 39.2779** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **26.2328, 34.0333, 17.7575**, and the grayscale version is **17.6809, 18.6017, 20.2572**.

A 20% lighter version of the original color is **46.1101, 39.3861, 74.9840**, and **8.2179, 5.8306, 17.2153** is the 20% darker color. If you saturate the color by 10%, you get **19.2129, 13.9342, 38.7230**, and if you desaturate by 10%, it is **25.1686, 21.9164, 39.9498**.

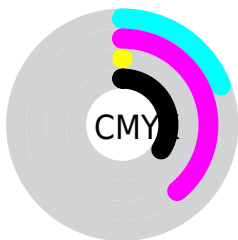
Distribution



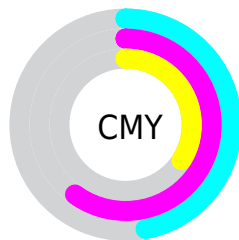
- Red (53%)
- Green (40%)
- Blue (66%)



- Red (53%)
- Yellow (40%)
- Blue (66%)



- Cyan (19%)
- Magenta (39%)
- Yellow (0%)
- Black (34%)



- Cyan (47%)
- Magenta (60%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9726, 17.5641, 39.2779 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 21.9726, 17.5641, 39.2779 by changing the saturation by 10% instead.

■ 21.9726, 17.5641,
39.2779

■ 21.9726, 17.5641,
39.2779

255.0382,
238.4025, 358.5317

■ 13.9533, 10.6375,
26.6665

■ 46.1799, 39.2931,
75.2877

■ 8.1696, 5.8236,
17.0927

■ 63.0986, 54.8644,
99.5231

■ 4.2564, 2.7381,
10.1379

■ 83.7144, 74.0859,
128.4703

■ 1.8482, 0.9966,
5.3837

■ 108.3927, 97.3422,
162.5479

■ 0.5465, 0.0000,
2.4115

137.4989,
125.0176, 202.1742

■ 0.0000, 0.0000,
0.7927

171.3983,

■ 0.0000, 0.0000,

157.4965, 247.7679

0.0000

210.4563,
195.1634, 299.7476

■ 21.9726, 17.5641,
39.2779

■ 21.9726, 17.5641,
39.2779

■ 19.2129, 13.9342,
38.7230

■ 25.1686, 21.9164,
39.9498

■ 16.8652, 10.9827,
38.2770

■ 28.8200, 27.0274,
40.7439

■ 14.9052, 8.6641,
37.9328

■ 32.9466, 32.9334,
41.6664

■ 13.3050, 6.9261,
37.6817

■ 37.5666, 39.6676,
42.7227

■ 12.0322, 5.7075,
37.5136

■ 42.6972, 47.2614,
43.9181

■ 11.0236, 4.8858,
37.4081

■ 48.3546, 55.7446,
45.2573

■ 10.9562, 4.8317,
37.4012

■ 54.5543, 65.1454,
46.7451

■ 61.3113, 75.4908,
48.3858

■ 68.6397, 86.8066,
50.1837

Harmonies

Analogous

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



18.1801, 17.5641, 47.5439



21.9726, 17.5641, 39.2779



24.5565, 17.5641, 26.5043

Triad

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



21.9726, 17.5641, 39.2779



19.1038, 17.5641, 5.4186



10.5492, 17.5641, 23.5648

Complementary

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



21.9726, 17.5641, 39.2779



26.2328, 34.0333, 17.7575

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.



10.7195, 17.5641, 13.2597



21.9726, 17.5641, 39.2779



15.2915, 17.5641, 5.1394

Square

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



21.9726, 17.5641, 39.2779



22.7359, 17.5641, 8.4031



12.3370, 17.5641, 7.4054



11.8305, 17.5641, 36.4416

Rectangle

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



21.9726, 17.5641, 39.2779



25.0418, 17.5641, 18.5905



12.3370, 17.5641, 7.4054



10.4444, 17.5641, 19.6682

Sweetspot

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



21.9732, 17.5648, 39.2783



57.4962, 56.4625, 75.0931



21.2119, 22.9805, 40.3638



12.3278, 12.0138, 16.3213



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.



21.9732, 17.5648, 39.2783



35.5300, 26.1452, 70.3990



27.9681, 20.6553, 39.5589



7.4865, 7.4834, 9.4682



8.3331, 3.6793, 28.2465



0.2615, 0.1198, 0.6900

Inverse Universe

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



25.2033, 19.5494, 24.9997



42.4771, 30.4109, 39.8048



21.8809, 31.7898, 17.5538



7.6770, 7.6006, 8.6161



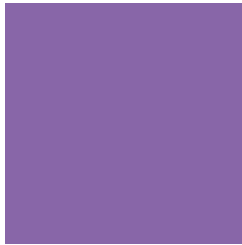
13.3549, 6.7507, 6.6802



0.3509, 0.1746, 0.2992

Previews

White Background



This preview shows how the XYZ color 21.9726, 17.5641, 39.2779 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 21.9726, 17.5641, 39.2779 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 21.9726, 17.5641, 39.2779

Background



This preview shows how black text looks on a background with the XYZ color 21.9726, 17.5641, 39.2779.



This preview shows how white text looks on a background with the XYZ color 21.9726, 17.5641,

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

21.9726, 17.5641, 39.2779

Protanopia

18.6693, 17.6287, 44.5382

Deuteranopia

18.0679, 17.6307, 38.0481



Tritanopia

18.1474, 17.5580, 20.5217

Trichromacy



Original Color

21.9726, 17.5641, 39.2779

Protanomaly

19.5226, 17.4591, 42.3854

Deuteranomaly

19.1410, 17.3498, 38.4164

Tritanomaly

19.3101, 17.3854, 26.3827

Monochromacy



Original Color

21.9726, 17.5641, 39.2779

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

19.0247, 18.0520, 26.1486

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9726, 17.5641, 39.2779 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, 102, 168)` looks like.

```
.text, #text, p{  
    color:rgb(136, 102, 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(136, 102, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 102, 168) }
```

Border

The CSS property to change the border of an element to XYZ 21.9726, 17.5641, 39.2779 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, 102, 168) }
```


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

```
.border{ border-color:rgb(136, 102, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 102, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 102, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 102, 168);  
box-shadow:4px 4px 4px 4px rgb(136, 102,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9726, 17.5641, 39.2779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 102, 168) }
```

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

```
.background{ background-color: rgb(136,  
102, 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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