

Converting Colors

XYZ(21.8642, 17.5349, 21.8473)

Have a look what the booklet for
XYZ(21.8642, 17.5349, 21.8473)
contains.

XYZ(21.8406, 17.5893, 21.9826)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.8406, 17.5893,
21.9826)**

Conversions

Conversions Part 1

Format	Color
Hex	9B647E
RGB	155, 100, 126
RGB Percent	61%, 39%, 49%
CMY	0.3922, 0.6078, 0.5059
CMYK	0.00, 0.35, 0.19, 0.39
HSL	332°, 22%, 50%
HSV	332°, 35%, 61%
XYZ	21.8406, 17.5893, 21.9826
YIQ	119.4090, 24.4340, 19.7460

Conversions

Conversions Part 2

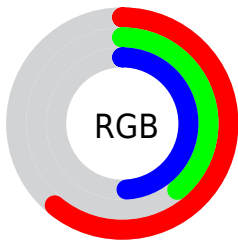
Format	Color
R_{YB}	155, 100, 126
Decimal	10183806
CIE Lab	48.99, 26.10, -5.27
CIE LCh	49, 26.631, 348.588
Yxy	17.5893, 0.3556, 0.2864
Android (android.graphics.Color)	4288373886 (0xFF9B647E)
YUV	119.4090, 3.2494, 31.2133
Hunter-Lab	41.9396, 19.5619, -1.7191

Details

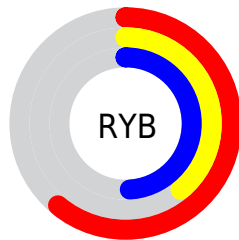
The XYZ color **21.8406, 17.5893, 21.9826** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **20.9401, 27.7374, 25.0204**, and the grayscale version is **17.6493, 18.5684, 20.2210**.

A 20% lighter version of the original color is **45.9433, 39.4128, 47.8338**, and **8.0470, 5.8166, 7.7198** is the 20% darker color. If you saturate the color by 10%, you get **19.9870, 14.6917, 18.8682**, and if you desaturate by 10%, it is **24.0212, 21.0715, 25.4190**.

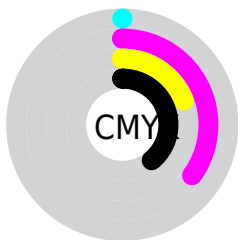
Distribution



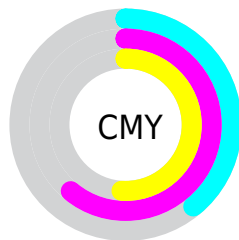
- Red (61%)
- Green (39%)
- Blue (49%)



- Red (61%)
- Yellow (39%)
- Blue (49%)



- Cyan (0%)
- Magenta (35%)
- Yellow (19%)
- Black (39%)



- Cyan (39%)
- Magenta (61%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8406, 17.5893, 21.9826 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 21.8406, 17.5893, 21.9826 by changing the saturation by 10% instead.

■ 21.8406, 17.5893,
21.9826

■ 21.8406, 17.5893,
21.9826

254.3608,
238.5458, 275.4059

■ 13.8558, 10.6555,
13.6459

■ 45.9632, 39.3362,
47.6191

■ 8.1014, 5.8357,
7.7389

■ 62.8317, 54.9182,
65.7559

■ 4.2123, 2.7454,
3.8430

■ 83.3922, 74.1517,
87.9966

■ 1.8229, 1.0003,
1.5396

■ 108.0099, 97.4211,
114.7596

■ 0.5314, 0.0000,
0.2472

137.0502,
125.1108, 146.4635

■ 0.0000, 0.0000,
0.0000

170.8786,

157.6053, 183.5268

209.8603,
195.2888, 226.3681

■ 21.8406, 17.5893,
21.9826

■ 21.8406, 17.5893,
21.9826

■ 19.9870, 14.6917,
18.8682

■ 24.0212, 21.0715,
25.4190

■ 18.4417, 12.3436,
16.0639

■ 26.5431, 25.1658,
29.1865

■ 17.1864, 10.5100,
13.5587


■ 29.4214, 29.9010,
33.2951


■ 16.2003, 9.1509,
11.3400


■ 32.6701, 35.3033,
37.7539


■ 15.4593, 8.2199,
9.3942


■ 36.3023, 41.3976,
42.5718


 14.9318, 7.6559,
7.7048

 40.3303, 48.2072,
47.7573

 14.7291, 7.4532,
7.0123

 44.7661, 55.7545,
53.3184

 49.6210, 64.0609,
59.2631

 54.9059, 73.1469,
65.5990

Harmonies

Analogous

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



20.5547, 17.5893, 29.6781



21.8406, 17.5893, 21.9826



21.6566, 17.5893, 15.1207

Triad

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



21.8406, 17.5893, 21.9826



15.2439, 17.5893, 8.9060



13.7585, 17.5893, 31.3258

Complementary

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



21.8406, 17.5893, 21.9826



20.9401, 27.7374, 25.0204

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.



12.5940, 17.5893, 23.8422



21.8406, 17.5893, 21.9826



13.3913, 17.5893, 11.4651

Square

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



21.8406, 17.5893, 21.9826



17.6793, 17.5893, 8.6431



12.4666, 17.5893, 16.5750



15.7923, 17.5893, 35.8964

Rectangle

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



21.8406, 17.5893, 21.9826



20.7286, 17.5893, 11.8353



12.4666, 17.5893, 16.5750



13.2614, 17.5893, 28.9930

Sweetspot

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



21.8411, 17.5901, 21.9830



49.6556, 48.5442, 55.3336



19.4392, 16.1035, 33.0941



11.0962, 10.7527, 12.3190



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



21.8411, 17.5901, 21.9830



36.3011, 27.0945, 34.6683



20.4641, 17.1808, 14.2953



6.3242, 6.2689, 7.0876



11.8495, 5.9940, 5.7325



0.1953, 0.0969, 0.1815

Inverse Universe

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



21.8411, 17.5901, 21.9830



36.3011, 27.0945, 34.6683



22.7418, 28.2149, 35.2578



6.3242, 6.2689, 7.0876



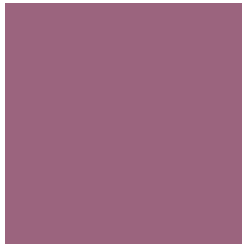
11.8495, 5.9940, 5.7325



0.1953, 0.0969, 0.1815

Previews

White Background



This preview shows how the XYZ color 21.8406, 17.5893, 21.9826 looks on a white background.

Color Contrast Check

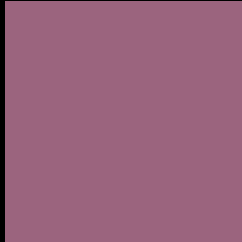
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8406, 17.5893, 21.9826 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

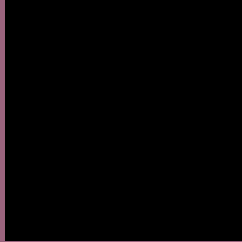
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.8406, 17.5893, 21.9826

Background



This preview shows how black text looks on a background with the XYZ color 21.8406, 17.5893, 21.9826.



This preview shows how white text looks on a background with the XYZ color 21.8406, 17.5893,

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

21.8406, 17.5893, 21.9826

Protanopia

17.4994, 17.7791, 25.8019

Deuteranopia

18.0007, 17.6255, 21.5221



Tritanopia

20.8564, 17.6205, 17.3408

Trichromacy



Original Color

21.8406, 17.5893, 21.9826

Protanomaly

18.6429, 17.4070, 24.2071

Deuteranomaly

19.2176, 17.4400, 21.7554

Tritanomaly

21.2302, 17.6337, 18.8077

Monochromacy



Original Color

21.8406, 17.5893, 21.9826

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.8227, 17.8990, 20.8751

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8406, 17.5893, 21.9826 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(155, 100, 126)` looks like.

```
.text, #text, p{  
    color:rgb(155, 100, 126)  
}
```

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(155, 100, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 100, 126) }
```

Border

The CSS property to change the border of an element to XYZ 21.8406, 17.5893, 21.9826 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(155, 100, 126) }
```


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

```
.border{ border-color:rgb(155, 100, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 100, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 100, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 100, 126);  
box-shadow:4px 4px 4px 4px rgb(155, 100,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8406, 17.5893, 21.9826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 100, 126) }
```

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

```
.background{ background-color: rgb(155,  
100, 126) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor