

# Converting Colors

XYZ(21.9039, 18.3384, 20.7129)

Have a look what the booklet for  
XYZ(21.9039, 18.3384, 20.7129)  
contains.

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# Color

**XYZ(21.8909, 18.3783,  
20.8059)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9A697A
RGB	154, 105, 122
RGB Percent	60%, 41%, 48%
CMY	0.3961, 0.5882, 0.5216
CMYK	0.00, 0.32, 0.21, 0.40
HSL	339°, 20%, 51%
HSV	339°, 32%, 60%
XYZ	21.8909, 18.3783, 20.8059
YIQ	121.5890, 23.7470, 15.6750

# Conversions

## Conversions Part 2

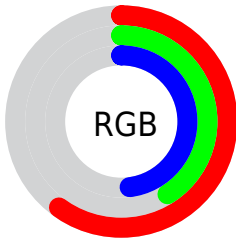
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">154, 105, 122</a>
Decimal	<a href="#">10119546</a>
CIELab	<a href="#">49.95, 22.21, -1.49</a>
CIELCh	<a href="#">50, 22.262, 356.171</a>
Yxy	<a href="#">18.3783, 0.3584, 0.3009</a>
Android (android.graphics.Color)	<a href="#">4288309626</a> ( <a href="#">0xFF9A697A</a> )
YUV	<a href="#">121.5890, 0.2026, 28.4244</a>
Hunter-Lab	<a href="#">42.8699, 16.1261, 1.2339</a>

# Details

The XYZ color **21.8909, 18.3783, 20.8059** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.8975, 27.9212, 27.9036**, and the grayscale version is **18.3592, 19.3153, 21.0344**.

A 20% lighter version of the original color is **45.9914, 40.7252, 45.4811**, and **8.1452, 6.2321, 7.0769** is the 20% darker color. If you saturate the color by 10%, you get **19.8708, 15.2843, 17.2154**, and if you desaturate by 10%, it is **24.2606, 22.0679, 24.8316**.

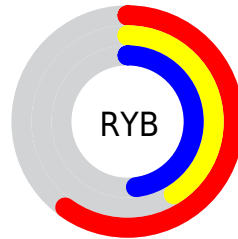
# Distribution



Red (60%)

Green (41%)

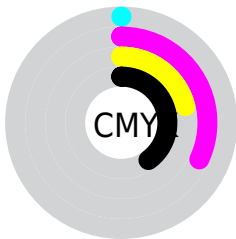
Blue (48%)



Red (60%)

Yellow (41%)

Blue (48%)

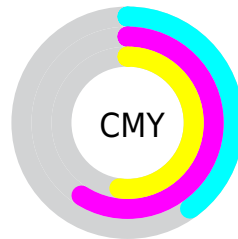


Cyan (0%)

Magenta (32%)

Yellow (21%)

Black (40%)



Cyan (40%)

Magenta (59%)


Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8909, 18.3783, 20.8059 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 21.8909, 18.3783, 20.8059 by changing the saturation by 10% instead.





 21.8909, 18.3783,  
20.8059


 21.8909, 18.3783,  
20.8059


254.6191,  
242.9948, 268.9922


 13.8929, 11.2219,  
12.7923

 46.0458, 40.6809,  
45.6409


 8.1274, 6.2163,  
7.1567


 62.9334, 56.5959,  
63.2993

 4.2291, 2.9771,  
3.4803

 83.5150, 76.1992,  
85.0099

 1.8325, 1.1198,  
1.3448

 108.1558, 99.8753,  
111.1910

 0.5372, 0.0000,  
0.0981

137.2213,  
128.0085, 142.2613

 0.0000, 0.0000,  
0.0000

171.0768,

160.9832, 178.6392

210.0876,  
199.1838, 220.7433

■ 21.8909, 18.3783,  
20.8059

■ 21.8909, 18.3783,  
20.8059

■ 19.8708, 15.2843,  
17.2154

■ 24.2606, 22.0679,  
24.8316

■ 18.1815, 12.7519,  
14.0436

■ 26.9944, 26.3797,  
29.3060

■ 16.8047, 10.7475,  
11.2744


■ 30.1078, 31.3417,  
34.2433


■ 15.7194, 9.2330,  
8.8903


■ 33.6151, 36.9795,  
39.6567


■ 14.9022, 8.1649,  
6.8722


■ 37.5296, 43.3174,  
45.5589


 14.3255, 7.4919,  
5.1988

 41.8642, 50.3782,  
51.9621

 13.9789, 7.1311,  
4.0590

 46.6311, 58.1840,  
58.8780

 51.8419, 66.7556,  
66.3180

 57.5079, 76.1135,  
74.2930

# Harmonies

## Analogous

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



21.1036, 18.3783, 27.2928



21.8909, 18.3783, 20.8059



21.4160, 18.3783, 15.2619

# Triad

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



21.8909, 18.3783, 20.8059



15.7198, 18.3783, 11.2077



15.2816, 18.3783, 31.4479

# Complementary

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



21.8909, 18.3783, 20.8059



21.8975, 27.9212, 27.9036

# 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.



14.0378, 18.3783, 25.6550



21.8909, 18.3783, 20.8059



14.2760, 18.3783, 14.1551

# Square

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



21.8909, 18.3783, 20.8059



17.7435, 18.3783, 10.4257



13.6850, 18.3783, 19.2363



17.1954, 18.3783, 34.1773



# Rectangle

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



21.8909, 18.3783, 20.8059



20.4668, 18.3783, 12.6732



13.6850, 18.3783, 19.2363



14.7775, 18.3783, 29.7434

# Sweetspot

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



21.8914, 18.3792, 20.8063



49.9033, 49.2954, 54.6276



21.1770, 17.7429, 32.8808



11.1361, 10.9049, 12.1090



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.



21.8914, 18.3792, 20.8063



37.1523, 29.3708, 33.1829



21.7098, 19.5565, 15.9961



6.2929, 6.2563, 6.9223



11.4045, 5.8160, 3.3889



0.1865, 0.0934, 0.1352



# Inverse Universe

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



21.8914, 18.3792, 20.8063



37.1523, 29.3708, 33.1829



22.0385, 26.0957, 34.4476



6.2929, 6.2563, 6.9223



11.4045, 5.8160, 3.3889

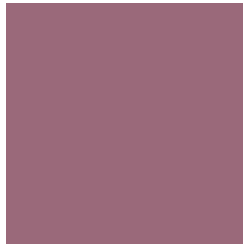


0.1865, 0.0934, 0.1352



# Previews

## White Background



This preview shows how the XYZ color 21.8909, 18.3783, 20.8059 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

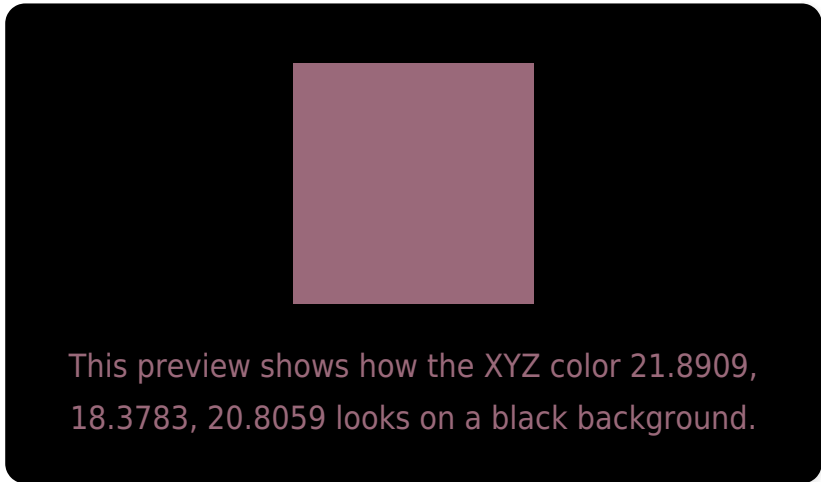
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



## 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 21.8909, 18.3783, 20.8059**

## **Background**



This preview shows how black text looks on a background with the XYZ color 21.8909, 18.3783, 20.8059.



This preview shows how white text looks on a background with the XYZ color 21.8909, 18.3783,



# 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

21.8909, 18.3783, 20.8059

### Protanopia

17.9789, 18.4201, 23.7269

### Deuteranopia

18.7268, 18.3634, 20.3268



## Tritanopia

21.3282, 18.2953, 18.3268

# Trichromacy



## Original Color

21.8909, 18.3783, 20.8059

## Protanomaly

19.0960, 18.1679, 22.5790

## Deuteranomaly

19.7831, 18.2383, 20.5668

## Tritanomaly

21.5018, 18.3647, 19.2411

# Monochromacy



## Original Color

21.8909, 18.3783, 20.8059

## Achromatopsia

18.4984, 19.4618, 21.1939

## Achromatomaly

19.5898, 18.9643, 21.0403

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 21.8909, 18.3783, 20.8059 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(154, 105, 122)` looks like.

```
.text, #text, p{  
    color:rgb(154, 105, 122)  
}
```

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(154, 105, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 105, 122) }
```

## Border

The CSS property to change the border of an element to XYZ 21.8909, 18.3783, 20.8059 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(154, 105, 122) }
```



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

```
.border{ border-color:rgb(154, 105, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 105, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 105, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 105, 122);  
box-shadow:4px 4px 4px 4px rgb(154, 105,  
122) }
```

# Background

The CSS property to change the background color of an element to XYZ 21.8909, 18.3783, 20.8059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 105, 122) }
```

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

```
.background{ background-color: rgb(154,  
105, 122) }
```

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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