

# Converting Colors

XYZ(18.8920, 14.3999, 19.8729)

Have a look what the booklet for  
XYZ(18.8920, 14.3999, 19.8729)  
contains.

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# Color

**XYZ(18.8920, 14.3999,  
19.8729)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	935779
RGB	147, 87, 121
RGB Percent	58%, 34%, 47%
CMY	0.4235, 0.6588, 0.5255
CMYK	0.00, 0.41, 0.18, 0.42
HSL	326°, 26%, 46%
HSV	326°, 41%, 58%
XYZ	18.8920, 14.3999, 19.8729
YIQ	108.8160, 24.8460, 23.2940

# Conversions

## Conversions Part 2

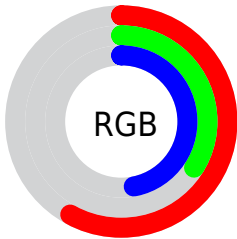
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	147, 87, 121
Decimal	9656185
CIE Lab	44.80, 29.73, -8.62
CIE LCh	45, 30.949, 343.831
Yxy	14.3999, 0.3553, 0.2709
Android (android.graphics.Color)	4287846265 (0xFF935779)
YUV	108.8160, 6.0067, 33.4874
Hunter-Lab	37.9472, 22.4586, -4.4871

# Details

The XYZ color **18.8920, 14.3999, 19.8729** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **17.3455, 24.0863, 19.3588**, and the grayscale version is **14.4627, 15.2159, 16.5701**.

A 20% lighter version of the original color is **40.9884, 33.7506, 43.8894**, and **6.6145, 4.3518, 6.6223** is the 20% darker color. If you saturate the color by 10%, you get **17.4430, 12.1065, 17.5258**, and if you desaturate by 10%, it is **20.6100, 17.1897, 22.4373**.

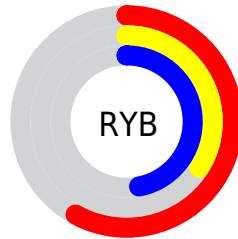
# Distribution



Red (58%)

Green (34%)

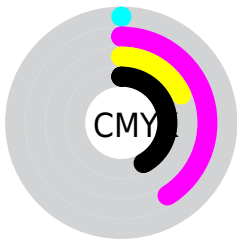
Blue (47%)



Red (58%)

Yellow (34%)

Blue (47%)

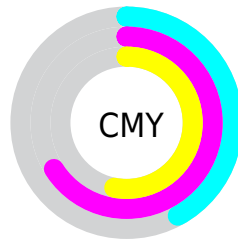


Cyan (0%)

Magenta (41%)

Yellow (18%)

Black (42%)



Cyan (42%)

Magenta (66%)

Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8920, 14.3999, 19.8729 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 18.8920, 14.3999, 19.8729 by changing the saturation by 10% instead.



18.8920, 14.3999,  
19.8729

18.8920, 14.3999,  
19.8729

238.8015,  
219.7046, 263.8077

11.6958, 8.3993,  
12.1195

41.0698, 33.7969,  
44.0602

6.6076, 4.3515,  
6.7016

56.7821, 47.9622,  
61.3311

3.2621, 1.8721,  
3.2006

76.0639, 65.6177,  
82.6117

1.2938, 0.5315,  
1.1980

99.2804, 87.1481,  
108.3204

0.1786, 0.0000,  
0.0000

126.7971,  
112.9375, 138.8758

0.0000, 0.0000,  
0.0000

158.9793,

143.3705, 174.6965

196.1923,  
178.8314, 216.2009

■ 18.8920, 14.3999,  
19.8729

■ 18.8920, 14.3999,  
19.8729

■ 17.4430, 12.1065,  
17.5258

■ 20.6100, 17.1897,  
22.4373

■ 16.2465, 10.2776,  
15.3875

■ 22.6098, 20.5012,  
25.2252

■ 15.2859, 8.8810,  
13.4502


■ 24.9048, 24.3604,  
28.2435


■ 14.5420, 7.8790,  
11.7050


■ 27.5073, 28.7908,  
31.4985


■ 13.9926, 7.2277,  
10.1416


■ 30.4286, 33.8148,  
34.9962

 13.6055, 6.8322,  
8.8455

 33.6798, 39.4535,  
38.7424

 37.2710, 45.7267,  
42.7427

 41.2123, 52.6537,  
47.0023

 45.5131, 60.2528,  
51.5265

# Harmonies

## Analogous

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



17.3268, 14.3999, 27.9821



18.8920, 14.3999, 19.8729



18.9556, 14.3999, 12.5881

# Triad

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



18.8920, 14.3999, 19.8729



12.5599, 14.3999, 5.6909



10.4782, 14.3999, 27.3965

# Complementary

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



18.8920, 14.3999, 19.8729



17.3455, 24.0863, 19.3588

# 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.



9.4976, 14.3999, 19.2386



18.8920, 14.3999, 19.8729



10.5958, 14.3999, 7.6433

# Square

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



18.8920, 14.3999, 19.8729



15.0819, 14.3999, 5.7659



9.5378, 14.3999, 12.1211



12.3803, 14.3999, 33.1562



# Rectangle

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



18.8920, 14.3999, 19.8729



18.1227, 14.3999, 9.1488



9.5378, 14.3999, 12.1211



10.0409, 14.3999, 24.7510

# Sweetspot

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



18.8924, 14.4006, 19.8732



43.9786, 42.5737, 49.7797



15.4853, 12.4345, 29.1879



9.9272, 9.5293, 11.2184



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896



# Same Dimension

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



18.8924, 14.4006, 19.8732



31.4300, 21.9805, 31.7109



17.3297, 13.7755, 11.6439



5.9302, 5.8671, 6.7384



11.8078, 5.9282, 7.7347



0.1593, 0.0785, 0.1727



# Inverse Universe

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



18.8924, 14.4006, 19.8732



31.4300, 21.9805, 31.7109



19.3226, 24.8772, 29.7702



5.9302, 5.8671, 6.7384



11.8078, 5.9282, 7.7347

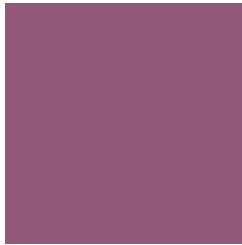


0.1593, 0.0785, 0.1727



# Previews

## White Background



This preview shows how the XYZ color 18.8920, 14.3999, 19.8729 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

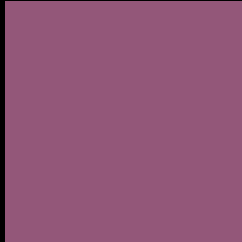
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 18.8920, 14.3999, 19.8729 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 18.8920, 14.3999, 19.8729**

## **Background**



This preview shows how black text looks on a background with the XYZ color 18.8920, 14.3999, 19.8729.



This preview shows how white text looks on a background with the XYZ color 18.8920, 14.3999,



# 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

18.8920, 14.3999, 19.8729

### Protanopia

14.5407, 14.5059, 24.2238

### Deuteranopia

14.7759, 14.5881, 19.1766



## Tritanopia

17.6227, 14.3838, 13.4028

# Trichromacy



## Original Color

18.8920, 14.3999, 19.8729

## Protanomaly

15.6662, 14.1023, 22.6652

## Deuteranomaly

16.0096, 14.3524, 19.3792

## Tritanomaly

18.1117, 14.4639, 15.4729

# Monochromacy



## Original Color

18.8920, 14.3999, 19.8729

## Achromatopsia

14.5356, 15.2926, 16.6537

## Achromatomaly

15.8027, 14.7106, 17.6293

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 18.8920, 14.3999, 19.8729 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(147, 87, 121)` looks like.

```
.text, #text, p{  
    color:rgb(147, 87, 121)  
}
```

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(147, 87, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 87, 121) }
```

## Border

The CSS property to change the border of an element to XYZ 18.8920, 14.3999, 19.8729 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(147, 87, 121) }
```



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

```
.border{ border-color:rgb(147, 87, 121) }
```

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

Here you see how a box with a 4 pixel rgb(147, 87, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 87, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 87, 121);  
box-shadow:4px 4px 4px 4px rgb(147, 87,  
121) }
```

# Background

The CSS property to change the background color of an element to XYZ 18.8920, 14.3999, 19.8729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 87, 121) }
```

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

```
.background{ background-color: rgb(147, 87,  
121) }
```

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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