

Converting Colors

XYZ(23.9602, 19.3265, 22.4867)

Have a look what the booklet for
XYZ(23.9602, 19.3265, 22.4867)
contains.

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Color

**XYZ(23.8853, 19.2195,
22.5295)**

Conversions

Conversions Part 1

Format	Color
Hex	A3687F
RGB	163, 104, 127
RGB Percent	64%, 41%, 50%
CMY	0.3608, 0.5921, 0.5020
CMYK	0.00, 0.36, 0.22, 0.36
HSL	337°, 24%, 52%
HSV	337°, 36%, 64%
XYZ	23.8853, 19.2195, 22.5295
YIQ	124.2630, 27.7810, 19.6610

Conversions

Conversions Part 2

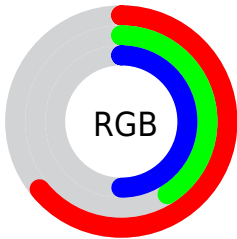
Format	Color
R_{YB}	163, 104, 127
Decimal	10709119
CIE Lab	50.94, 26.98, -2.87
CIE LCh	51, 27.130, 353.918
Yxy	19.2195, 0.3639, 0.2928
Android (android.graphics.Color)	4288899199 (0xFFA3687F)
YUV	124.2630, 1.3493, 33.9723
Hunter-Lab	43.8401, 20.5318, 0.2188

Details

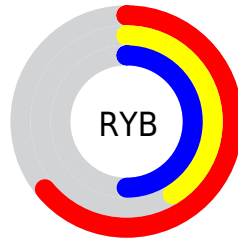
The XYZ color **23.8853, 19.2195, 22.5295** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **23.5406, 31.0313, 29.5614**, and the grayscale version is **19.2356, 20.2373, 22.0384**.

A 20% lighter version of the original color is **49.3401, 42.1323, 48.7119**, and **9.1717, 6.5974, 7.9978** is the 20% darker color. If you saturate the color by 10%, you get **21.7839, 16.0032, 18.7872**, and if you desaturate by 10%, it is **26.3690, 23.0975, 26.7155**.

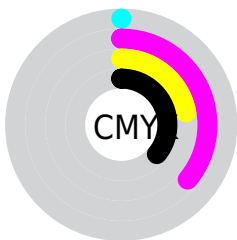
Distribution



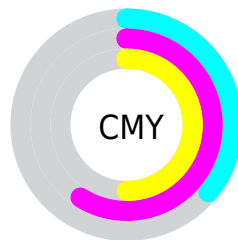
- Red (64%)
- Green (41%)
- Blue (50%)



- Red (64%)
- Yellow (41%)
- Blue (50%)



- Cyan (0%)
- Magenta (36%)
- Yellow (22%)
- Black (36%)





- Cyan (36%)
- Magenta (59%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.8853, 19.2195, 22.5295 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 23.8853, 19.2195, 22.5295 by changing the saturation by 10% instead.


 23.8853, 19.2195,
22.5295


 23.8853, 19.2195,
22.5295


264.6913,
247.6579, 278.3423


 15.3728, 11.8290,
14.0445


 49.2990, 42.1047,
48.5330


 9.1695, 6.6273,
8.0125

 66.9309, 58.3681,
66.8885

 4.9099, 3.2302,
4.0151

 88.3334, 78.3580,
89.3712

 2.2287, 1.2530,
1.6336

 113.8718,
102.4587, 116.3997

 0.7578, 0.1044,
0.3146

143.9114,
131.0547, 148.3925

 0.0000, 0.0000,
0.0000

178.8176,

164.5303, 185.7682

218.9558,
203.2699, 228.9453

■ 23.8853, 19.2195,
22.5295

■ 23.8853, 19.2195,
22.5295

■ 21.7839, 16.0032,
18.7872

■ 26.3690, 23.0975,
26.7155

■ 20.0428, 13.4085,
15.4714

■ 29.2519, 27.6689,
31.3588

■ 18.6406, 11.3949,
12.5658

■ 32.5520, 32.9666,
36.4741

■ 17.5525, 9.9164,
10.0519

■ 36.2856, 39.0208,
42.0749

■ 16.7500, 8.9195,
7.9099

■ 40.4681, 45.8596,
48.1742

■ 16.1944, 8.3304,
6.1154

■ 45.1143, 53.5101,
54.7843

■ 16.0165, 8.1514,
5.5108

■ 50.2379, 61.9977,
61.9173

■ 55.8526, 71.3469,
69.5848

■ 61.9710, 81.5812,
77.7978

Harmonies

Analogous

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



22.7564, 19.2195, 30.8765



23.8853, 19.2195, 22.5295



23.3943, 19.2195, 15.4958

Triad

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



23.8853, 19.2195, 22.5295



16.2571, 19.2195, 10.1279



15.3978, 19.2195, 35.2623

Complementary

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



23.8853, 19.2195, 22.5295



23.5406, 31.0313, 29.5614

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.



13.9505, 19.2195, 27.4981



23.8853, 19.2195, 22.5295



14.4116, 19.2195, 13.3834

Square

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



23.8853, 19.2195, 22.5295



18.8189, 19.2195, 9.4153



13.6079, 19.2195, 19.4019



17.7271, 19.2195, 39.2980

Rectangle

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



23.8853, 19.2195, 22.5295



22.2363, 19.2195, 12.2690



13.6079, 19.2195, 19.4019



14.8016, 19.2195, 32.9224

Sweetspot

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



23.8858, 19.2204, 22.5299



55.2416, 54.1208, 60.6250



22.2763, 18.0695, 36.9640



12.2386, 11.8851, 13.3544



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



23.8858, 19.2204, 22.5299



39.8549, 29.9368, 35.1816



23.1688, 19.9173, 15.7212



7.1827, 7.1295, 7.9487



12.4688, 6.3436, 4.3934



0.2848, 0.1424, 0.2123

Inverse Universe

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



23.8858, 19.2204, 22.5299



39.8549, 29.9368, 35.1816



24.3943, 29.7356, 39.1042



7.1827, 7.1295, 7.9487



12.4688, 6.3436, 4.3934



0.2848, 0.1424, 0.2123

Previews

White Background



This preview shows how the XYZ color 23.8853, 19.2195, 22.5295 looks on a white background.

Color Contrast Check

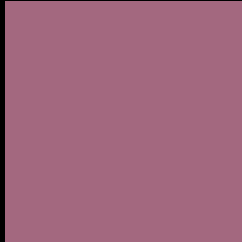
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the XYZ color 23.8853, 19.2195, 22.5295 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

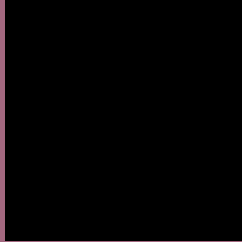
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.8853, 19.2195, 22.5295

Background



This preview shows how black text looks on a background with the XYZ color 23.8853, 19.2195, 22.5295.



This preview shows how white text looks on a background with the XYZ color 23.8853, 19.2195,

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

23.8853, 19.2195, 22.5295

Protanopia

18.9605, 19.4028, 26.4127

Deuteranopia

19.6958, 19.3431, 22.0975



Tritanopia

23.0916, 19.2044, 18.4093

Trichromacy



Original Color

23.8853, 19.2195, 22.5295

Protanomaly

20.3560, 19.1058, 24.8052

Deuteranomaly

20.9987, 19.1563, 22.3294

Tritanomaly

23.2816, 19.1164, 19.9155

Monochromacy



Original Color

23.8853, 19.2195, 22.5295

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

20.5442, 19.6065, 22.1037

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8853, 19.2195, 22.5295 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(163, 104, 127)` looks like.

```
.text, #text, p{  
    color:rgb(163, 104, 127)  
}
```

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(163, 104, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 104, 127) }
```

Border

The CSS property to change the border of an element to XYZ 23.8853, 19.2195, 22.5295 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(163, 104, 127) }
```


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

```
.border{ border-color:rgb(163, 104, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 104, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 104, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 104, 127);  
box-shadow:4px 4px 4px 4px rgb(163, 104,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8853, 19.2195, 22.5295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 104, 127) }
```

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

```
.background{ background-color: rgb(163,  
104, 127) }
```

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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