

Converting Colors

XYZ(23.9454, 19.5622, 21.7909)

Have a look what the booklet for
XYZ(23.9454, 19.5622, 21.7909)
contains.

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Color

**XYZ(23.9600, 19.5753,
21.9176)**

Conversions

Conversions Part 1

Format	Color
Hex	A36A7D
RGB	163, 106, 125
RGB Percent	64%, 42%, 49%
CMY	0.3608, 0.5843, 0.5098
CMYK	0.00, 0.35, 0.23, 0.36
HSL	340°, 24%, 53%
HSV	340°, 35%, 64%
XYZ	23.9600, 19.5753, 21.9176
YIQ	125.2090, 27.8730, 17.9930

Conversions

Conversions Part 2

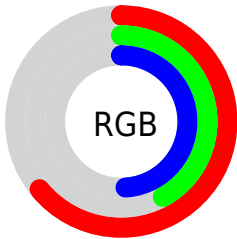
Format	Color
R_{YB}	163, 106, 125
Decimal	10709629
CIE _{Lab}	51.35, 25.54, -1.09
CIE _{LCh}	51, 25.560, 357.565
Yxy	19.5753, 0.3661, 0.2991
Android (android.graphics.Color)	4288899709 (0xFFA36A7D)
YUV	125.2090, -0.1030, 33.1427
Hunter-Lab	44.2440, 19.2384, 1.5997

Details

The XYZ color **23.9600, 19.5753, 21.9176** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **24.0760, 31.2727, 31.1545**, and the grayscale version is **19.5577, 20.5762, 22.4075**.

A 20% lighter version of the original color is **49.4762, 42.7281, 47.7592**, and **9.1980, 6.7631, 7.6581** is the 20% darker color. If you saturate the color by 10%, you get **21.7805, 16.2671, 17.9513**, and if you desaturate by 10%, it is **26.5359, 23.5543, 26.3913**.

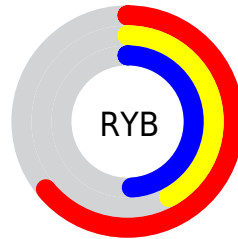
Distribution



Red (64%)

Green (42%)

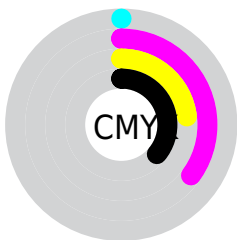
Blue (49%)



Red (64%)

Yellow (42%)

Blue (49%)

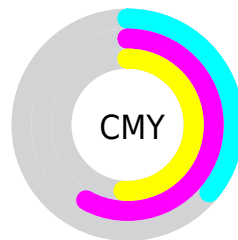


Cyan (0%)

Magenta (35%)

Yellow (23%)

Black (36%)



Cyan (36%)


Magenta (58%)

Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.9600, 19.5753, 21.9176 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 23.9600, 19.5753, 21.9176 by changing the saturation by 10% instead.


 23.9600, 19.5753,
21.9176


 23.9600, 19.5753,
21.9176


265.0624,
249.6066, 275.0551


 15.4285, 12.0867,
13.5986

 49.4201, 42.7040,
47.5102


 9.2090, 6.8028,
7.7065


 67.0794, 59.1129,
65.6209

 4.9359, 3.3391,
3.8226

 88.5120, 79.2640,
87.8327

 2.2441, 1.3112,
1.5286

 114.0833,
103.5417, 114.5639

 0.7658, 0.1499,
0.2391

144.1586,
132.3304, 146.2332

 0.0000, 0.0000,
0.0000

179.1034,

166.0145, 183.2592

219.2828,
204.9785, 226.0603

■ 23.9600, 19.5753,
21.9176

■ 23.9600, 19.5753,
21.9176

■ 21.7805, 16.2671,
17.9513

■ 26.5359, 23.5543,
26.3913

■ 19.9751, 13.5896,
14.4723

■ 29.5255, 28.2357,
31.3889

■ 18.5219, 11.5028,
11.4609

■ 32.9472, 33.6524,
36.9278

■ 17.3957, 9.9610,
8.8952

■ 36.8177, 39.8344,
43.0242

■ 16.5680, 8.9115,
6.7517

■ 41.1528, 46.8100,
49.6933

■ 16.0036, 8.2888,
5.0032

■ 45.9675, 54.6062,
56.9500

■ 15.7779, 8.0560,
4.2538

■ 51.2762, 63.2484,
64.8086

■ 57.0925, 72.7612,
73.2827

■ 63.4298, 83.1682,
82.3857

Harmonies

Analogous

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



23.0691, 19.5753, 29.7886



23.9600, 19.5753, 21.9176



23.3109, 19.5753, 15.4422

Triad

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



23.9600, 19.5753, 21.9176



16.4230, 19.5753, 11.1140



16.0926, 19.5753, 35.5358

Complementary

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



23.9600, 19.5753, 21.9176



24.0760, 31.2727, 31.1545

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.



14.5806, 19.5753, 28.5129



23.9600, 19.5753, 21.9176



14.7587, 19.5753, 14.6219

Square

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



23.9600, 19.5753, 21.9176



18.8153, 19.5753, 10.1185



14.1152, 19.5753, 20.7219



18.3978, 19.5753, 38.6940

Rectangle

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



23.9600, 19.5753, 21.9176



22.1224, 19.5753, 12.5230



14.1152, 19.5753, 20.7219



15.4830, 19.5753, 33.4801

Sweetspot

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



23.9606, 19.5762, 21.9180



55.7092, 55.0384, 60.8351



23.2673, 18.8828, 37.0690



12.3300, 12.0735, 13.3678



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.



23.9606, 19.5762, 21.9180



39.8025, 30.3304, 33.6276



23.8944, 21.2039, 16.4702



7.1666, 7.1231, 7.8638



12.2815, 6.2687, 3.4073



0.2793, 0.1402, 0.1832

Inverse Universe

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



23.9606, 19.5762, 21.9180



39.8025, 30.3304, 33.6276



24.0287, 28.6557, 38.9152



7.1666, 7.1231, 7.8638



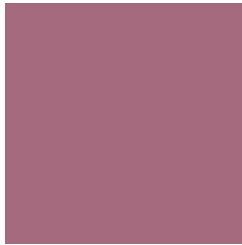
12.2815, 6.2687, 3.4073



0.2793, 0.1402, 0.1832

Previews

White Background



This preview shows how the XYZ color 23.9600, 19.5753, 21.9176 looks on a white background.

Color Contrast Check

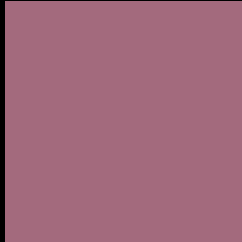
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9600, 19.5753, 21.9176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

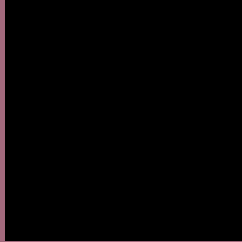
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.9600, 19.5753, 21.9176

Background



This preview shows how black text looks on a background with the XYZ color 23.9600, 19.5753, 21.9176.



This preview shows how white text looks on a background with the XYZ color 23.9600, 19.5753,

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

23.9600, 19.5753, 21.9176

Protanopia

19.2179, 19.7333, 25.7177

Deuteranopia

20.0035, 19.6920, 21.4855



Tritanopia

23.4152, 19.6675, 19.0851

Trichromacy



Original Color

23.9600, 19.5753, 21.9176

Protanomaly

20.4955, 19.3637, 24.1301

Deuteranomaly

21.3325, 19.5096, 21.7102

Tritanomaly

23.4878, 19.5287, 19.9842

Monochromacy



Original Color

23.9600, 19.5753, 21.9176

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

20.8276, 19.9265, 22.1505

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9600, 19.5753, 21.9176 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, 106, 125)` looks like.

```
.text, #text, p{  
    color:rgb(163, 106, 125)  
}
```

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, 106, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 106, 125) }
```

Border

The CSS property to change the border of an element to XYZ 23.9600, 19.5753, 21.9176 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, 106, 125) }
```


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

```
.border{ border-color:rgb(163, 106, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 106, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 106, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 106, 125);  
box-shadow:4px 4px 4px 4px rgb(163, 106,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9600, 19.5753, 21.9176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 106, 125) }
```

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

```
.background{ background-color: rgb(163,  
106, 125) }
```

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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