

Converting Colors

XYZ(23.9532, 19.8401, 26.6366)

Have a look what the booklet for
XYZ(23.9532, 19.8401, 26.6366)
contains.

XYZ(23.8546, 19.7282, 26.5954)	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(23.8546, 19.7282,
26.5954)**

Conversions

Conversions Part 1

Format	Color
Hex	9D6C8A
RGB	157, 108, 138
RGB Percent	62%, 42%, 54%
CMY	0.3843, 0.5765, 0.4588
CMYK	0.00, 0.31, 0.12, 0.38
HSL	323°, 20%, 52%
HSV	323°, 31%, 62%
XYZ	23.8546, 19.7282, 26.5954
YIQ	126.0710, 19.5740, 19.7180

Conversions

Conversions Part 2

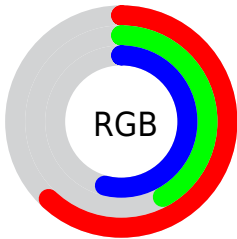
Format	Color
R _{YB}	157, 108, 138
Decimal	10316938
CIE Lab	51.53, 24.32, -8.59
CIE LCh	52, 25.792, 340.543
Yxy	19.7282, 0.3399, 0.2811
Android (android.graphics.Color)	4288507018 (0xFF9D6C8A)
YUV	126.0710, 5.8810, 27.1247
Hunter-Lab	44.4164, 18.1377, -4.4098

Details

The XYZ color **23.8546, 19.7282, 26.5954** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **22.0729, 28.8349, 24.4823**, and the grayscale version is **19.8318, 20.8646, 22.7215**.

A 20% lighter version of the original color is **49.1262, 42.9002, 54.9816**, and **9.2030, 6.9396, 10.0869** is the 20% darker color. If you saturate the color by 10%, you get **21.9171, 16.5387, 23.8356**, and if you desaturate by 10%, it is **26.1162, 23.5257, 29.5856**.

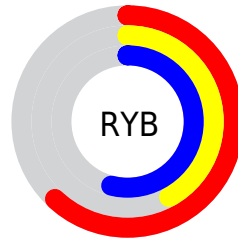
Distribution



Red (62%)

Green (42%)

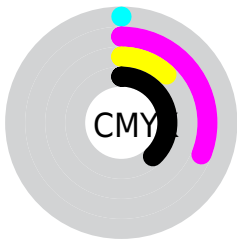
Blue (54%)



Red (62%)

Yellow (42%)

Blue (54%)

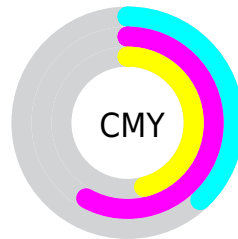


Cyan (0%)

Magenta (31%)

Yellow (12%)

Black (38%)



Cyan (38%)

Magenta (58%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8546, 19.7282, 26.5954 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 23.8546, 19.7282, 26.5954 by changing the saturation by 10% instead.

■ 23.8546, 19.7282,
26.5954

■ 23.8546, 19.7282,
26.5954

264.5387,
250.4399, 299.3907

■ 15.3499, 12.1976,
17.0398

■ 49.2492, 42.9610,
55.2298

■ 9.1533, 6.8784,
10.1006

■ 66.8699, 59.4321,
75.1456

■ 4.8992, 3.3862,
5.3593

■ 88.2600, 79.6520,
99.3520

■ 2.2224, 1.3365,
2.3972

■ 113.7848,
104.0054, 128.2675

■ 0.7545, 0.1692,
0.7849

143.8097,
132.8764, 162.3105

■ 0.0000, 0.0000,
0.0000

178.7001,

166.6496, 201.8997

218.8213,
205.7093, 247.4536

■ 23.8546, 19.7282,
26.5954

■ 23.8546, 19.7282,
26.5954

■ 21.9171, 16.5387,
23.8356

■ 26.1162, 23.5257,
29.5856

■ 20.2855, 13.9225,
21.2975

■ 28.7152, 27.9583,
32.8120

■ 18.9425, 11.8450,
18.9735

■ 31.6666, 33.0548,
36.2815

■ 17.8682, 10.2674,
16.8549

■ 34.9837, 38.8412,
40.0005

■ 17.0399, 9.1451,
14.9320

■ 38.6791, 45.3424,
43.9751

■ 16.4313, 8.4258,
13.1938

■ 42.7649, 52.5818,
48.2109

■ 16.0215, 8.0149,
11.7977

■ 47.2526, 60.5818,
52.7136

■ 52.1531, 69.3640,
57.4885

■ 57.4772, 78.9489,
62.5409

Harmonies

Analogous

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



22.1813, 19.7282, 34.2576



23.8546, 19.7282, 26.5954



24.0908, 19.7282, 18.9731

Triad

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



23.8546, 19.7282, 26.5954



17.8537, 19.7282, 10.2808



15.2125, 19.7282, 32.1603

Complementary

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



23.8546, 19.7282, 26.5954



22.0729, 28.8349, 24.4823

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.



14.2651, 19.7282, 24.1999



23.8546, 19.7282, 26.5954



15.6940, 19.7282, 12.3561

Square

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



23.8546, 19.7282, 26.5954



20.4609, 19.7282, 10.6362



14.4329, 19.7282, 17.0677



17.1392, 19.7282, 37.9481

Rectangle

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



23.8546, 19.7282, 26.5954



23.3800, 19.7282, 15.0121



14.4329, 19.7282, 17.0677



14.7774, 19.7282, 29.5825

Sweetspot

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



23.8552, 19.7291, 26.5958



52.4493, 51.8294, 59.9912



20.1694, 17.6559, 34.2434



11.3899, 11.1446, 13.0194



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.



23.8552, 19.7291, 26.5958



40.4004, 31.4963, 44.3689



22.2890, 19.1026, 18.3486



6.7951, 6.7109, 7.7719



13.0308, 6.5169, 9.6793



0.2532, 0.1246, 0.2797

Inverse Universe

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



23.8552, 19.7291, 26.5958



40.4004, 31.4963, 44.3689



23.8509, 29.5461, 33.8452



6.7951, 6.7109, 7.7719



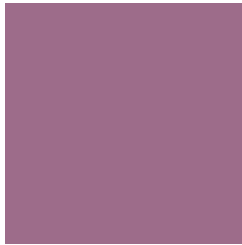
13.0308, 6.5169, 9.6793



0.2532, 0.1246, 0.2797

Previews

White Background



This preview shows how the XYZ color 23.8546, 19.7282, 26.5954 looks on a white background.

Color Contrast Check

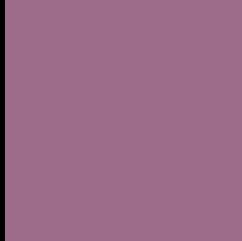
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8546, 19.7282, 26.5954 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

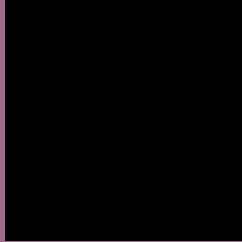
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.8546, 19.7282, 26.5954

Background



This preview shows how black text looks on a background with the XYZ color 23.8546, 19.7282, 26.5954.



This preview shows how white text looks on a background with the XYZ color 23.8546, 19.7282,

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

23.8546, 19.7282, 26.5954

Protanopia

19.6972, 19.8772, 30.4023

Deuteranopia

20.2137, 19.8776, 26.0639



Tritanopia

22.5922, 19.6935, 20.3798

Trichromacy



Original Color

23.8546, 19.7282, 26.5954

Protanomaly

20.9111, 19.6417, 29.0747

Deuteranomaly

21.4082, 19.7859, 26.3576

Tritanomaly

23.1170, 19.7521, 22.6728

Monochromacy



Original Color

23.8546, 19.7282, 26.5954

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.9426, 20.1237, 23.8996

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8546, 19.7282, 26.5954 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(157, 108, 138)` looks like.

```
.text, #text, p{  
    color:rgb(157, 108, 138)  
}
```

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(157, 108, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 108, 138) }
```

Border

The CSS property to change the border of an element to XYZ 23.8546, 19.7282, 26.5954 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(157, 108, 138) }
```


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

```
.border{ border-color:rgb(157, 108, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 108, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 108, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 108, 138);  
box-shadow:4px 4px 4px 4px rgb(157, 108,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8546, 19.7282, 26.5954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 108, 138) }
```

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

```
.background{ background-color: rgb(157,  
108, 138) }
```

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