

Converting Colors

XYZ(24.8676, 19.2834, 23.1419)

Have a look what the booklet for
XYZ(24.8676, 19.2834, 23.1419)
contains.

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Color

**XYZ(24.7646, 19.2172,
23.1729)**

Conversions

Conversions Part 1

Format	Color
Hex	A86581
RGB	168, 101, 129
RGB Percent	66%, 40%, 51%
CMY	0.3412, 0.6039, 0.4941
CMYK	0.00, 0.40, 0.23, 0.34
HSL	335°, 28%, 53%
HSV	335°, 40%, 66%
XYZ	24.7646, 19.2172, 23.1729
YIQ	124.2250, 30.9440, 22.9120

Conversions

Conversions Part 2

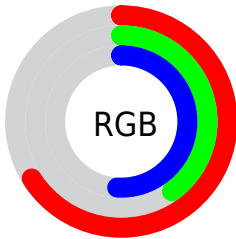
Format	Color
R_{YB}	168, 101, 129
Decimal	11036033
CIE _{Lab}	50.94, 30.81, -3.99
CIE _{LCh}	51, 31.072, 352.614
Yxy	19.2172, 0.3688, 0.2862
Android (android.graphics.Color)	4289226113 (0xFFA86581)
YUV	124.2250, 2.3541, 38.3907
Hunter-Lab	43.8374, 24.1226, -0.6551

Details

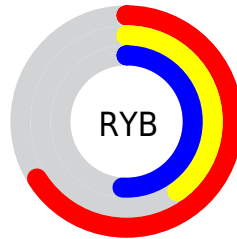
The XYZ color **24.7646, 19.2172, 23.1729** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **24.1040, 32.6660, 29.8474**, and the grayscale version is **19.2189, 20.2198, 22.0193**.

A 20% lighter version of the original color is **50.5752, 42.0072, 49.6986**, and **9.6154, 6.6126, 8.3590** is the 20% darker color. If you saturate the color by 10%, you get **22.6778, 16.0345, 19.4221**, and if you desaturate by 10%, it is **27.2481, 23.0934, 27.3634**.

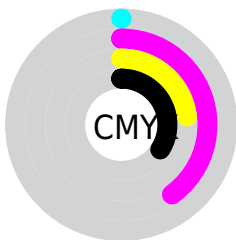
Distribution



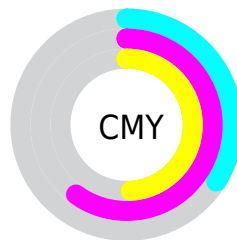
- Red (66%)
- Green (40%)
- Blue (51%)



- Red (66%)
- Yellow (40%)
- Blue (51%)



- Cyan (0%)
- Magenta (40%)
- Yellow (23%)
- Black (34%)





- Cyan (34%)
- Magenta (60%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.7646, 19.2172, 23.1729 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 24.7646, 19.2172, 23.1729 by changing the saturation by 10% instead.


 24.7646, 19.2172,
23.1729


 24.7646, 19.2172,
23.1729

269.0329,
247.6452, 281.7625

 16.0296, 11.8273,
14.5147


 50.7207, 42.1008,
49.6039


 9.6361, 6.6262,
8.3367


 68.6725, 58.3633,
68.2137

 5.2187, 3.2295,
4.2203

 90.4273, 78.3522,
90.9779

 2.4122, 1.2527,
1.7470

 116.3503,
102.4517, 118.3150

 0.8512, 0.1041,
0.3926

146.8071,
131.0464, 150.6434

 0.0000, 0.0000,
0.0000

182.1629,

164.5206, 188.3818

222.7830,
203.2588, 231.9486

■ 24.7646, 19.2172,
23.1729

■ 24.7646, 19.2172,
23.1729

■ 22.6778, 16.0345,
19.4221

■ 27.2481, 23.0934,
27.3634

■ 20.9640, 13.5011,
16.0939

■ 30.1472, 27.6986,
32.0074

■ 19.5991, 11.5717,
13.1714


■ 33.4812, 33.0689,
37.1195


■ 18.5554, 10.1940,
10.6362


■ 37.2680, 39.2374,
42.7135


■ 17.8008, 9.3066,
8.4674


■ 41.5242, 46.2351,
48.8021


 17.2665, 8.7756,
6.6317

 46.2658, 54.0914,
55.3978

 17.2605, 8.7697,
6.6111

 51.5078, 62.8342,
62.5126

 57.2646, 72.4903,
70.1581

 63.5500, 83.0852,
78.3454

Harmonies

Analogous

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



23.3667, 19.2172, 32.9544



24.7646, 19.2172, 23.1729



24.2721, 19.2172, 15.0754

Triad

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



24.7646, 19.2172, 23.1729



16.0890, 19.2172, 8.8796



14.9116, 19.2172, 37.4296

Complementary

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



24.7646, 19.2172, 23.1729



24.1040, 32.6660, 29.8474

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.



13.3417, 19.2172, 28.1186



24.7646, 19.2172, 23.1729



13.9664, 19.2172, 12.2489

Square

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



24.7646, 19.2172, 23.1729



19.0345, 19.2172, 8.2410



13.0161, 19.2172, 18.8260



17.5172, 19.2172, 42.5569

Rectangle

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



24.7646, 19.2172, 23.1729



22.9614, 19.2172, 11.4410



13.0161, 19.2172, 18.8260



14.2577, 19.2172, 34.5788

Sweetspot

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



24.7651, 19.2181, 23.1733



59.2670, 57.5982, 65.1086



22.3643, 17.6217, 39.2686



12.7512, 12.2853, 13.9378



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



24.7651, 19.2181, 23.1733



41.4987, 29.6188, 35.8881



23.5974, 19.4639, 14.8263



7.6563, 7.5924, 8.5072



13.0588, 6.6322, 5.1212



0.3434, 0.1716, 0.2598

Inverse Universe

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



24.7651, 19.2181, 23.1733



41.4987, 29.6188, 35.8881



25.6275, 31.9786, 41.8678



7.6563, 7.5924, 8.5072



13.0588, 6.6322, 5.1212



0.3434, 0.1716, 0.2598

Previews

White Background



This preview shows how the XYZ color 24.7646, 19.2172, 23.1729 looks on a white background.

Color Contrast Check

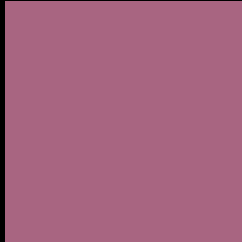
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.7646, 19.2172, 23.1729 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 24.7646, 19.2172, 23.1729

Background



This preview shows how black text looks on a background with the XYZ color 24.7646, 19.2172, 23.1729.



This preview shows how white text looks on a background with the XYZ color 24.7646, 19.2172,

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

24.7646, 19.2172, 23.1729

Protanopia

19.1163, 19.4494, 27.9459

Deuteranopia

19.7600, 19.3688, 22.4357



Tritanopia

23.6008, 19.1775, 17.7870

Trichromacy



Original Color

24.7646, 19.2172, 23.1729

Protanomaly

20.6860, 19.0750, 26.2585

Deuteranomaly

21.3020, 19.1404, 22.6504

Tritanomaly

24.0566, 19.2240, 19.5822

Monochromacy



Original Color

24.7646, 19.2172, 23.1729

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

20.8265, 19.5726, 22.4189

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7646, 19.2172, 23.1729 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(168, 101, 129)` looks like.

```
.text, #text, p{  
    color:rgb(168, 101, 129)  
}
```

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(168, 101, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 101, 129) }
```

Border

The CSS property to change the border of an element to XYZ 24.7646, 19.2172, 23.1729 is called "border". The border property can be set on classes, ids or directly on the HTML element.

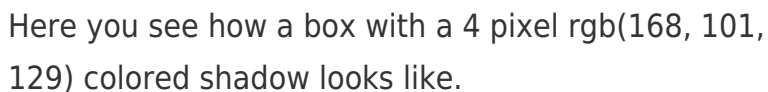
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(168, 101, 129) }
```


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

```
.border{ border-color:rgb(168, 101, 129) }
```

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



Here you see how a box with a 4 pixel `rgb(168, 101, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 101, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 101, 129); box-shadow:4px 4px 4px 4px rgb(168, 101, 129) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7646, 19.2172, 23.1729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 101, 129) }
```

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

```
.background{ background-color: rgb(168,  
101, 129) }
```

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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