

# Converting Colors

XYZ(26.8961, 19.7878, 20.7097)

Have a look what the booklet for  
XYZ(26.8961, 19.7878, 20.7097)  
contains.

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# Color

**XYZ(26.8436, 19.7783,  
20.8151)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B5617A
RGB	181, 97, 122
RGB Percent	71%, 38%, 48%
CMY	0.2902, 0.6196, 0.5216
CMYK	0.00, 0.46, 0.33, 0.29
HSL	342°, 36%, 55%
HSV	342°, 46%, 71%
XYZ	26.8436, 19.7783, 20.8151
YIQ	124.9660, 42.0390, 25.5830

# Conversions

## Conversions Part 2

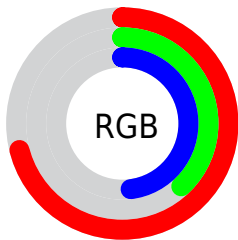
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	181, 97, 122
Decimal	11886970
CIE <sub>Lab</sub>	51.59, 36.73, 1.31
CIE <sub>LCh</sub>	52, 36.754, 2.048
Yxy	19.7783, 0.3981, 0.2933
Android (android.graphics.Color)	4290077050 (0xFFB5617A)
YUV	124.9660, -1.4622, 49.1418
Hunter-Lab	44.4728, 29.9145, 3.3808

# Details

The XYZ color **26.8436, 19.7783, 20.8151** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **27.4554, 37.9899, 37.3404**, and the grayscale version is **19.4770, 20.4913, 22.3150**.

A 20% lighter version of the original color is **53.9840, 42.9016, 45.4800**, and **10.7100, 6.8874, 7.2435** is the 20% darker color. If you saturate the color by 10%, you get **24.6210, 16.5124, 16.4386**, and if you desaturate by 10%, it is **29.5519, 23.8505, 25.8624**.

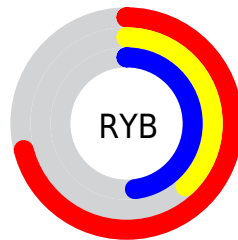
# Distribution



Red (71%)

Green (38%)

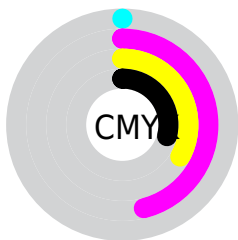
Blue (48%)



Red (71%)

Yellow (38%)

Blue (48%)

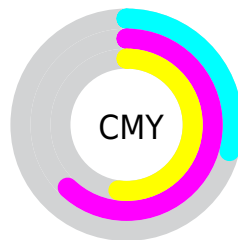


Cyan (0%)

Magenta (46%)

Yellow (33%)

Black (29%)



Cyan (29%)

Magenta (62%)


Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 26.8436, 19.7783, 20.8151 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 26.8436, 19.7783, 20.8151 by changing the saturation by 10% instead.





 26.8436, 19.7783,  
20.8151


 26.8436, 19.7783,  
20.8151


279.0804,  
250.7124, 269.0429


 17.5918, 12.2340,  
12.7990


 54.0545, 43.0452,  
45.6564


 10.7552, 6.9032,  
7.1612


 72.7442, 59.5365,  
63.3187

 5.9686, 3.4017,  
3.4831


 95.3106, 79.7790,  
85.0334

 2.8664, 1.3449,  
1.3463

 122.1191,  
104.1571, 111.2191

 1.0835, 0.1755,  
0.0993

153.5349,  
133.0550, 142.2944

 0.0113, 0.0000,  
0.0000

189.9236,

 0.0000, 0.0000,

166.8573, 178.6778

0.0000

231.6503,  
205.9483, 220.7878

■ 26.8436, 19.7783,  
20.8151

■ 26.8436, 19.7783,  
20.8151

■ 24.6210, 16.5124,  
16.4386

■ 29.5519, 23.8505,  
25.8624

■ 22.8523, 13.9956,  
12.7021

■ 32.7719, 28.7751,  
31.6071

■ 21.5040, 12.1681,  
9.5739


■ 36.5295, 34.5984,  
38.0757


■ 20.5373, 10.9591,  
7.0186


■ 40.8484, 41.3623,  
45.2928


■ 19.9014, 10.2749,  
4.9951


■ 45.7510, 49.1061,  
53.2819

 19.7187, 10.0888,  
4.3811

 51.2582, 57.8669,  
62.0654

 57.3901, 67.6798,  
71.6648

 64.1656, 78.5783,  
82.1008

 70.0182, 87.4246,  
92.8650

# Harmonies

## Analogous

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



25.8104, 19.7783, 32.5685



26.8436, 19.7783, 20.8151



25.4975, 19.7783, 12.4310

# Triad

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



26.8436, 19.7783, 20.8151



15.2702, 19.7783, 8.4693



15.6569, 19.7783, 45.0165

# Complementary

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



26.8436, 19.7783, 20.8151



27.4554, 37.9899, 37.3404

# 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.



13.3897, 19.7783, 34.2589



26.8436, 19.7783, 20.8151



13.1879, 19.7783, 13.3262

# Square

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



26.8436, 19.7783, 20.8151



18.5455, 19.7783, 6.9154



12.5469, 19.7783, 22.2717



19.0541, 19.7783, 48.9933



# Rectangle

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



26.8436, 19.7783, 20.8151



23.5229, 19.7783, 9.1320



12.5469, 19.7783, 22.2717



14.7536, 19.7783, 41.9311

# Sweetspot

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



26.8441, 19.7793, 20.8155



67.0168, 64.4506, 70.8848



26.2876, 18.9347, 45.9854



14.1474, 13.4038, 14.7508



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787



# Same Dimension

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



26.8441, 19.7793, 20.8155



43.9081, 29.3019, 29.0586



27.2092, 22.6774, 14.2536



8.5970, 8.5455, 9.3761



13.6208, 6.9659, 3.1631



0.4549, 0.2297, 0.2383



# Inverse Universe

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



26.8441, 19.7793, 20.8155



43.9081, 29.3019, 29.0586



26.5823, 32.5008, 48.5884



8.5970, 8.5455, 9.3761



13.6208, 6.9659, 3.1631

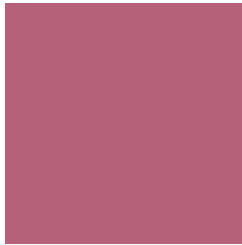


0.4549, 0.2297, 0.2383



# Previews

## White Background



This preview shows how the XYZ color 26.8436, 19.7783, 20.8151 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

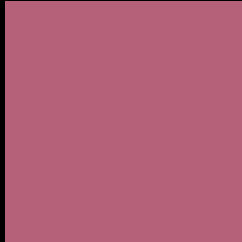
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 26.8436, 19.7783, 20.8151 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 26.8436, 19.7783, 20.8151**

## **Background**



This preview shows how black text looks on a background with the XYZ color 26.8436, 19.7783, 20.8151.



This preview shows how white text looks on a background with the XYZ color 26.8436, 19.7783,



# 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

26.8436, 19.7783, 20.8151

### Protanopia

19.6244, 20.1096, 26.5141

### Deuteranopia

20.1834, 19.8200, 19.9014



## Tritanopia

26.0334, 19.8792, 16.3749

# Trichromacy



## Original Color

26.8436, 19.7783, 20.8151

## Protanomaly

21.5099, 19.5402, 24.4677

## Deuteranomaly

22.1511, 19.4731, 20.0440

## Tritanomaly

26.2089, 19.7968, 17.7690

# Monochromacy



## Original Color

26.8436, 19.7783, 20.8151

## Achromatopsia

19.4927, 20.5079, 22.3331

## Achromatomaly

21.4459, 19.7364, 21.7480

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 26.8436, 19.7783, 20.8151 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(181, 97, 122)` looks like.

```
.text, #text, p{  
    color:rgb(181, 97, 122)  
}
```

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(181, 97, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 97, 122) }
```

## Border

The CSS property to change the border of an element to XYZ 26.8436, 19.7783, 20.8151 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(181, 97, 122) }
```



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

```
.border{ border-color:rgb(181, 97, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 97, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 97, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 97, 122);  
box-shadow:4px 4px 4px 4px rgb(181, 97,  
122) }
```

# Background

The CSS property to change the background color of an element to XYZ 26.8436, 19.7783, 20.8151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 97, 122) }
```

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

```
.background{ background-color: rgb(181, 97,  
122) }
```

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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