

# Converting Colors

XYZ(27.1352, 19.7480, 22.8036)

Have a look what the booklet for  
XYZ(27.1352, 19.7480, 22.8036)  
contains.

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# Color

**XYZ(27.1352, 19.7480,  
22.8036)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B56080
RGB	181, 96, 128
RGB Percent	71%, 38%, 50%
CMY	0.2902, 0.6235, 0.4980
CMYK	0.00, 0.47, 0.29, 0.29
HSL	337°, 36%, 54%
HSV	337°, 47%, 71%
XYZ	27.1352, 19.7480, 22.8036
YIQ	125.0630, 40.3880, 27.9720

# Conversions

## Conversions Part 2

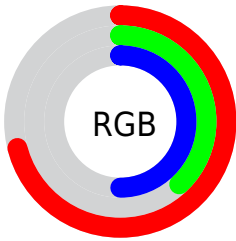
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	181, 96, 128
Decimal	11886720
CIE Lab	51.55, 38.06, -2.30
CIE LCh	52, 38.133, 356.536
Yxy	19.7480, 0.3894, 0.2834
Android (android.graphics.Color)	4290076800 (0xFFB56080)
YUV	125.0630, 1.4479, 49.0567
Hunter-Lab	44.4387, 31.2280, 0.6826

# Details

The XYZ color **27.1352, 19.7480, 22.8036** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **26.7735, 37.7050, 34.3024**, and the grayscale version is **19.5005, 20.5161, 22.3420**.

A 20% lighter version of the original color is **54.6845, 43.1818, 49.1688**, and **10.9925, 6.9541, 8.1600** is the 20% darker color. If you saturate the color by 10%, you get **24.9678, 16.5367, 18.6176**, and if you desaturate by 10%, it is **29.7665, 23.7546, 27.5524**.

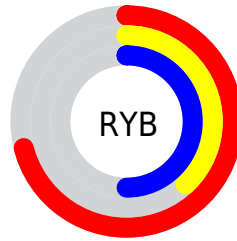
# Distribution



Red (71%)

Green (38%)

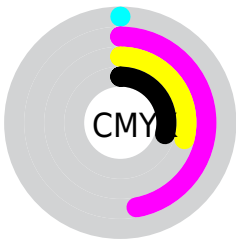
Blue (50%)



Red (71%)

Yellow (38%)

Blue (50%)

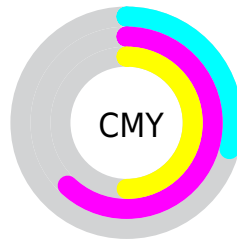


Cyan (0%)

Magenta (47%)

Yellow (29%)

Black (29%)



Cyan (29%)

Magenta (62%)


Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.1352, 19.7480, 22.8036 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 27.1352, 19.7480, 22.8036 by changing the saturation by 10% instead.





 27.1352, 19.7480,  
22.8036


 27.1352, 19.7480,  
22.8036


280.4668,  
250.5476, 279.8038


 17.8119, 12.2120,  
14.2446


 54.5191, 42.9943,  
48.9897


 10.9139, 6.8882,  
8.1503


 73.3104, 59.4734,  
67.4540

 6.0758, 3.3923,  
4.1021


 95.9884, 79.7022,  
90.0570

 2.9323, 1.3398,  
1.6815

 122.9185,  
104.0653, 117.2175

 1.1181, 0.1717,  
0.3480

154.4661,  
132.9470, 149.3538

 0.0402, 0.0000,  
0.0000

190.9964,

 0.0000, 0.0000,

166.7317, 186.8846

0.0000

232.8748,  
205.8038, 230.2284

■ 27.1352, 19.7480,  
22.8036

■ 27.1352, 19.7480,  
22.8036

■ 24.9678, 16.5367,  
18.6176

■ 29.7665, 23.7546,  
27.5524

■ 23.2336, 14.0638,  
14.9702

■ 32.8865, 28.6025,  
32.8844

■ 21.9004, 12.2696,  
11.8369


■ 36.5203, 34.3376,  
38.8202


■ 20.9304, 11.0832,  
9.1903


■ 40.6907, 41.0017,  
45.3790


■ 20.2715, 10.4055,  
6.9973


■ 45.4188, 48.6337,  
52.5791

 20.1036, 10.2428,  
6.4080

 50.7250, 57.2705,  
60.4380

 56.6283, 66.9470,  
68.9727

 63.1470, 77.6964,  
78.1991

 69.0399, 87.0333,  
87.7135

# Harmonies

## Analogous

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



25.6186, 19.7480, 35.3771



27.1352, 19.7480, 22.8036



26.1708, 19.7480, 13.3794

# Triad

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



27.1352, 19.7480, 22.8036



15.6642, 19.7480, 7.6013



14.9901, 19.7480, 44.3721

# Complementary

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



27.1352, 19.7480, 22.8036



26.7735, 37.7050, 34.3024

# 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.



12.9151, 19.7480, 32.3855



27.1352, 19.7480, 22.8036



13.2654, 19.7480, 11.8323

# Square

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



27.1352, 19.7480, 22.8036



19.2190, 19.7480, 6.5598



12.3291, 19.7480, 20.2513



18.3279, 19.7480, 50.2242



# Rectangle

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



27.1352, 19.7480, 22.8036



24.3136, 19.7480, 9.5272



12.3291, 19.7480, 20.2513



14.1403, 19.7480, 40.7629

# Sweetspot

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



27.1358, 19.7490, 22.8040



67.3452, 64.5820, 72.6146



24.8125, 18.0379, 45.8901



14.2273, 13.4358, 15.1719



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.



27.1358, 19.7490, 22.8040



44.7249, 29.6286, 33.3598



26.3136, 20.9602, 13.7264



8.6243, 8.5564, 9.5199



13.8903, 7.0737, 4.5825



0.4659, 0.2341, 0.2963



# Inverse Universe

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



27.1358, 19.7490, 22.8040



44.7249, 29.6286, 33.3598



27.7437, 34.9809, 49.0059



8.6243, 8.5564, 9.5199



13.8903, 7.0737, 4.5825

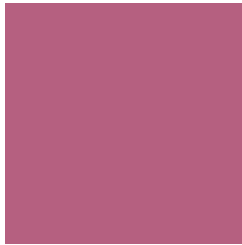


0.4659, 0.2341, 0.2963



# Previews

## White Background



This preview shows how the XYZ color 27.1352, 19.7480, 22.8036 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

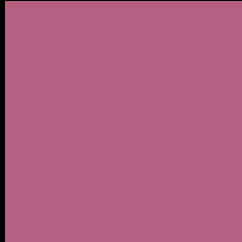
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 27.1352, 19.7480, 22.8036 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

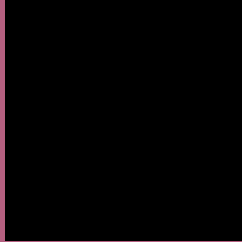
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 27.1352, 19.7480, 22.8036**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.1352, 19.7480, 22.8036.



This preview shows how white text looks on a background with the XYZ color 27.1352, 19.7480,



# 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

27.1352, 19.7480, 22.8036

### Protanopia

19.6013, 19.8546, 29.1848

### Deuteranopia

20.2266, 19.7998, 21.8245



## Tritanopia

25.8014, 19.7596, 16.3640

# Trichromacy



## Original Color

27.1352, 19.7480, 22.8036

## Protanomaly

21.6479, 19.3960, 26.6476

## Deuteranomaly

22.3350, 19.5249, 21.9935

## Tritanomaly

26.3787, 19.8648, 18.6636

# Monochromacy



## Original Color

27.1352, 19.7480, 22.8036

## Achromatopsia

19.4927, 20.5079, 22.3331

## Achromatomaly

21.4603, 19.5607, 22.3832

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.1352, 19.7480, 22.8036 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, 96, 128)` looks like.

```
.text, #text, p{  
    color:rgb(181, 96, 128)  
}
```

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, 96, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 96, 128) }
```

## Border

The CSS property to change the border of an element to XYZ 27.1352, 19.7480, 22.8036 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, 96, 128) }
```



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

```
.border{ border-color:rgb(181, 96, 128) }
```

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

Here you see how a box with a 4 pixel rgb(181, 96, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 96, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 96, 128);  
box-shadow:4px 4px 4px 4px rgb(181, 96,  
128) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.1352, 19.7480, 22.8036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 96, 128) }
```

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

```
.background{ background-color: rgb(181, 96,  
128) }
```

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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