

Converting Colors

XYZ(27.8379, 21.0733, 22.8127)

Have a look what the booklet for
XYZ(27.8379, 21.0733, 22.8127)
contains.

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Color

**XYZ(27.7371, 21.0566,
22.6811)**

Conversions

Conversions Part 1

Format	Color
Hex	B5677F
RGB	181, 103, 127
RGB Percent	71%, 40%, 50%
CMY	0.2902, 0.5961, 0.5020
CMYK	0.00, 0.43, 0.30, 0.29
HSL	342°, 35%, 56%
HSV	342°, 43%, 71%
XYZ	27.7371, 21.0566, 22.6811
YIQ	129.0580, 38.7840, 24.0000

Conversions

Conversions Part 2

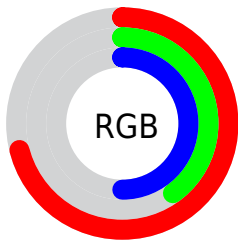
Format	Color
R_{YB}	181, 103, 127
Decimal	11888511
CIE _{Lab}	53.01, 34.19, 0.43
CIE _{LCh}	53, 34.188, 0.716
Yxy	21.0566, 0.3881, 0.2946
Android (android.graphics.Color)	4290078591 (0xFFB5677F)
YUV	129.0580, -1.0146, 45.5531
Hunter-Lab	45.8875, 27.5929, 2.8156

Details

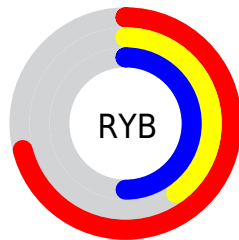
The XYZ color **27.7371, 21.0566, 22.6811** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **28.2042, 38.3662, 37.8193**, and the grayscale version is **20.8811, 21.9685, 23.9237**.

A 20% lighter version of the original color is **55.7233, 45.4229, 49.0106**, and **11.2524, 7.5319, 8.0685** is the 20% darker color. If you saturate the color by 10%, you get **25.3612, 17.5315, 18.1072**, and if you desaturate by 10%, it is **30.6055, 25.4038, 27.9208**.

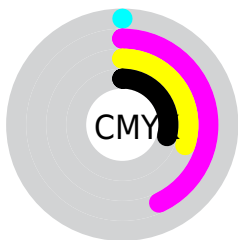
Distribution



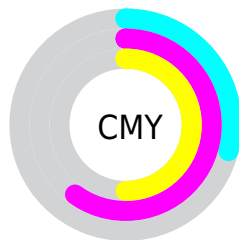
- Red (71%)
- Green (40%)
- Blue (50%)



- Red (71%)
- Yellow (40%)
- Blue (50%)



- Cyan (0%)
- Magenta (43%)
- Yellow (30%)
- Black (29%)





- Cyan (29%)
- Magenta (60%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.7371, 21.0566, 22.6811 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 27.7371, 21.0566, 22.6811 by changing the saturation by 10% instead.

 27.7371, 21.0566,
22.6811


 27.7371, 21.0566,
22.6811


283.3115,
257.5791, 279.1514


 18.2670, 13.1654,
14.1551


 55.4760, 45.1817,
48.7857


 11.2427, 7.5425,
8.0887


 74.4756, 62.1844,
67.2014

 6.2988, 3.8036,
4.0631


 97.3823, 82.9930,
89.7508

 3.0700, 1.5643,
1.6600

 124.5616,
107.9920, 116.8523

 1.1909, 0.3334,
0.3331

156.3788,
137.5657, 148.9247

 0.0992, 0.0000,
0.0000

193.1993,

 0.0000, 0.0000,

172.0985, 186.3862

0.0000

235.3884,
211.9749, 229.6557

■ 27.7371, 21.0566,
22.6811

■ 27.7371, 21.0566,
22.6811

■ 25.3612, 17.5315,
18.1072

■ 30.6055, 25.4038,
27.9208

■ 23.4469, 14.7730,
14.1699

■ 33.9912, 30.6176,
33.8514

■ 21.9624, 12.7239,
10.8393


■ 37.9195, 36.7430,
40.4979


■ 20.8710, 11.3173,
8.0825


■ 42.4135, 43.8211,
47.8840


■ 20.1290, 10.4732,
5.8625


■ 47.4949, 51.8903,
56.0320

 19.7623, 10.1062,
4.6103

 53.1842, 60.9869,
64.9634

 59.5009, 71.1455,
74.6986

 66.4637, 82.3990,
85.2574

 70.5122, 87.6222,
95.4662

Harmonies

Analogous

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



26.6559, 21.0566, 34.0162



27.7371, 21.0566, 22.6811



26.5517, 21.0566, 14.2416

Triad

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



27.7371, 21.0566, 22.6811



16.6918, 21.0566, 9.7881



16.8245, 21.0566, 44.8450

Complementary

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



27.7371, 21.0566, 22.6811



28.2042, 38.3662, 37.8193

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.



14.6480, 21.0566, 34.5754



27.7371, 21.0566, 22.6811



14.5781, 21.0566, 14.5552

Square

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



27.7371, 21.0566, 22.6811



19.9276, 21.0566, 8.2996



13.8762, 21.0566, 23.1748



20.1000, 21.0566, 48.9097

Rectangle

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



27.7371, 21.0566, 22.6811



24.7086, 21.0566, 10.7801



13.8762, 21.0566, 23.1748



15.9547, 21.0566, 41.8779

Sweetspot

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



27.7377, 21.0576, 22.6815



67.8180, 65.6571, 72.3726



26.9601, 20.1358, 46.1818



14.3084, 13.6437, 15.0577



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.



27.7377, 21.0576, 22.6815



45.5068, 31.5236, 32.5993



27.9014, 23.5968, 15.9174



8.6004, 8.5469, 9.3944



13.6514, 6.9781, 3.3243



0.4563, 0.2303, 0.2457

Inverse Universe

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



27.7377, 21.0576, 22.6815



45.5068, 31.5236, 32.5993



27.6987, 33.7481, 48.7704



8.6004, 8.5469, 9.3944



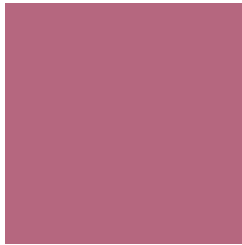
13.6514, 6.9781, 3.3243



0.4563, 0.2303, 0.2457

Previews

White Background



This preview shows how the XYZ color 27.7371, 21.0566, 22.6811 looks on a white background.

Color Contrast Check

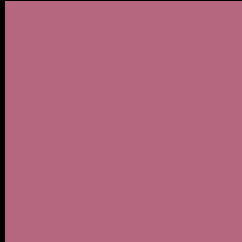
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7371, 21.0566, 22.6811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

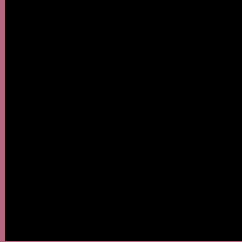
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.7371, 21.0566, 22.6811

Background



This preview shows how black text looks on a background with the XYZ color 27.7371, 21.0566, 22.6811.



This preview shows how white text looks on a background with the XYZ color 27.7371, 21.0566,

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

27.7371, 21.0566, 22.6811

Protanopia

20.7260, 21.2048, 28.1999

Deuteranopia

21.7056, 21.2839, 22.0330



Tritanopia

26.8546, 20.9987, 18.2605

Trichromacy



Original Color

27.7371, 21.0566, 22.6811

Protanomaly

22.5994, 20.7542, 26.1074

Deuteranomaly

23.6574, 21.0394, 22.2162

Tritanomaly

27.0427, 20.9119, 19.7506

Monochromacy



Original Color

27.7371, 21.0566, 22.6811

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

22.8255, 21.2874, 23.3279

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7371, 21.0566, 22.6811 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, 103, 127)` looks like.

```
.text, #text, p{  
    color:rgb(181, 103, 127)  
}
```

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, 103, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 103, 127) }
```

Border

The CSS property to change the border of an element to XYZ 27.7371, 21.0566, 22.6811 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, 103, 127) }
```


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

```
.border{ border-color:rgb(181, 103, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 103, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 103, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 103, 127);  
box-shadow:4px 4px 4px 4px rgb(181, 103,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7371, 21.0566, 22.6811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 103, 127) }
```

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

```
.background{ background-color: rgb(181,  
103, 127) }
```

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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