

Converting Colors

XYZ(27.6782, 20.0016, 22.5878)

Have a look what the booklet for
XYZ(27.6782, 20.0016, 22.5878)
contains.

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Color

**XYZ(27.7808, 20.0884,
22.4919)**

Conversions

Conversions Part 1

Format	Color
Hex	B8607F
RGB	184, 96, 127
RGB Percent	72%, 38%, 50%
CMY	0.2784, 0.6235, 0.5020
CMYK	0.00, 0.48, 0.31, 0.28
HSL	339°, 38%, 55%
HSV	339°, 48%, 72%
XYZ	27.7808, 20.0884, 22.4919
YIQ	125.8460, 42.4970, 28.2970

Conversions

Conversions Part 2

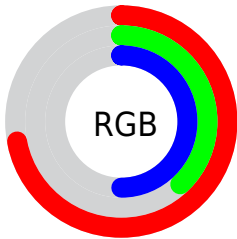
Format	Color
R_{YB}	184, 96, 127
Decimal	12083327
CIE _{Lab}	51.94, 38.99, -1.09
CIE _{LCh}	52, 39.006, 358.392
Yxy	20.0884, 0.3948, 0.2855
Android (android.graphics.Color)	4290273407 (0xFFB8607F)
YUV	125.8460, 0.5689, 51.0011
Hunter-Lab	44.8201, 32.2044, 1.6208

Details

The XYZ color **27.7808, 20.0884, 22.4919** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **27.7151, 39.0682, 36.2193**, and the grayscale version is **19.7675, 20.7970, 22.6479**.

A 20% lighter version of the original color is **55.6036, 43.6674, 48.6780**, and **11.2156, 7.0160, 7.9708** is the 20% darker color. If you saturate the color by 10%, you get **25.5629, 16.8229, 18.1442**, and if you desaturate by 10%, it is **30.4846, 24.1784, 27.4554**.

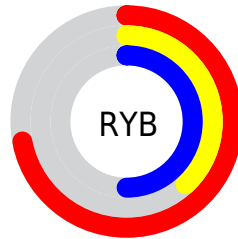
Distribution



Red (72%)

Green (38%)

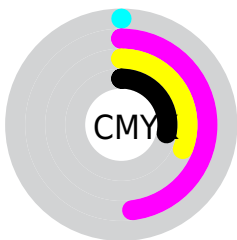
Blue (50%)



Red (72%)

Yellow (38%)

Blue (50%)

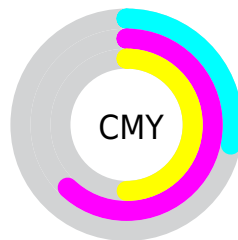


Cyan (0%)

Magenta (48%)

Yellow (31%)

Black (28%)



Cyan (28%)


Magenta (62%)


Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7808, 20.0884, 22.4919 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 27.7808, 20.0884, 22.4919 by changing the saturation by 10% instead.


 27.7808, 20.0884,
22.4919

 27.7808, 20.0884,
22.4919


283.5171,
252.3933, 278.1413


 18.3001, 12.4593,
14.0170


 55.5454, 43.5653,
48.4702


 11.2666, 7.0573,
7.9936


 74.5600, 60.1820,
66.8108

 6.3151, 3.4980,
4.0031


 97.4832, 80.5633,
89.2770

 3.0801, 1.3969,
1.6271

 124.6805,
105.0936, 116.2873

 1.1963, 0.2144,
0.3100

156.5172,
134.1574, 148.2604

 0.1034, 0.0000,
0.0000

193.3586,

 0.0000, 0.0000,

168.1390, 185.6147

0.0000

235.5702,
207.4228, 228.7688

■ 27.7808, 20.0884,
22.4919

■ 27.7808, 20.0884,
22.4919

■ 25.5629, 16.8229,
18.1442

■ 30.4846, 24.1784,
27.4554

■ 23.7981, 14.3220,
14.3850

■ 33.7009, 29.1413,
33.0579

■ 22.4523, 12.5224,
11.1865


■ 37.4560, 35.0254,
39.3227


■ 21.4851, 11.3491,
8.5176


■ 41.7741, 41.8745,
46.2715


■ 20.8360, 10.6875,
6.3391

■ 46.6779, 49.7296,
53.9251

 20.7159, 10.5698,
5.9209

 52.1886, 58.6294,
62.3030

 58.3266, 68.6104,
71.4244

 65.1112, 79.7073,
81.3075

 70.4173, 87.6664,
91.2552

Harmonies

Analogous

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



26.3564, 20.0884, 35.4404



27.7808, 20.0884, 22.4919



26.6227, 20.0884, 13.0410

Triad

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



27.7808, 20.0884, 22.4919



15.6904, 20.0884, 7.7314



15.3672, 20.0884, 46.2591

Complementary

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



27.7808, 20.0884, 22.4919



27.7151, 39.0682, 36.2193

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.



13.1371, 20.0884, 33.9951



27.7808, 20.0884, 22.4919



13.3047, 20.0884, 12.3029

Square

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



27.7808, 20.0884, 22.4919



19.3084, 20.0884, 6.4943



12.4370, 20.0884, 21.2653



18.8801, 20.0884, 51.7930

Rectangle

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



27.7808, 20.0884, 22.4919



24.6212, 20.0884, 9.2650



12.4370, 20.0884, 21.2653



14.4619, 20.0884, 42.6167

Sweetspot

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



27.7814, 20.0894, 22.4923



70.5889, 67.7438, 75.6593



25.7345, 18.4773, 47.5576



14.8675, 14.0506, 15.7426



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



27.7814, 20.0894, 22.4923



46.2927, 30.4282, 32.7955



27.2137, 21.7049, 13.8228



9.1318, 9.0631, 10.0412



14.3080, 7.2969, 4.2425



0.5344, 0.2692, 0.3075

Inverse Universe

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



27.7814, 20.0894, 22.4923



46.2927, 30.4282, 32.7955



28.2797, 35.5548, 50.7197



9.1318, 9.0631, 10.0412



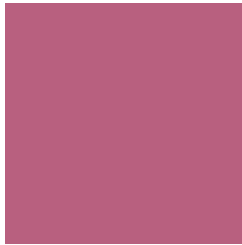
14.3080, 7.2969, 4.2425



0.5344, 0.2692, 0.3075

Previews

White Background



This preview shows how the XYZ color 27.7808, 20.0884, 22.4919 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 27.7808, 20.0884, 22.4919 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

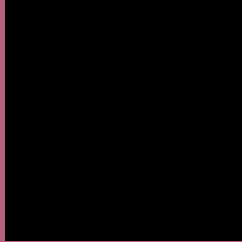
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.7808, 20.0884, 22.4919

Background



This preview shows how black text looks on a background with the XYZ color 27.7808, 20.0884, 22.4919.



This preview shows how white text looks on a background with the XYZ color 27.7808, 20.0884,

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

27.7808, 20.0884, 22.4919

Protanopia

20.0022, 20.2445, 29.2389

Deuteranopia

20.6081, 20.1814, 21.5481



Tritanopia

26.5024, 20.1210, 16.3968

Trichromacy



Original Color

27.7808, 20.0884, 22.4919

Protanomaly

21.9942, 19.5745, 26.6638

Deuteranomaly

22.6490, 19.6941, 21.6764

Tritanomaly

27.0275, 20.2059, 18.3952

Monochromacy



Original Color

27.7808, 20.0884, 22.4919

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

21.9293, 19.9709, 22.4376

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7808, 20.0884, 22.4919 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(184, 96, 127)` looks like.

```
.text, #text, p{  
    color:rgb(184, 96, 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(184, 96, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 96, 127) }
```

Border

The CSS property to change the border of an element to XYZ 27.7808, 20.0884, 22.4919 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(184, 96, 127) }
```


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

```
.border{ border-color:rgb(184, 96, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 96, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 96, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 96, 127);  
box-shadow:4px 4px 4px 4px rgb(184, 96,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7808, 20.0884, 22.4919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 96, 127) }
```

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

```
.background{ background-color: rgb(184, 96,  
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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