

Converting Colors

XYZ(27.7025, 21.8260, 31.2407)

Have a look what the booklet for
XYZ(27.7025, 21.8260, 31.2407)
contains.

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Color

**XYZ(27.6880, 21.7651,
31.1755)**

Conversions

Conversions Part 1

Format	Color
Hex	AB6D95
RGB	171, 109, 149
RGB Percent	67%, 43%, 58%
CMY	0.3294, 0.5725, 0.4157
CMYK	0.00, 0.36, 0.13, 0.33
HSL	321°, 27%, 55%
HSV	321°, 36%, 67%
XYZ	27.6880, 21.7651, 31.1755
YIQ	132.0980, 24.1120, 25.5840

Conversions

Conversions Part 2

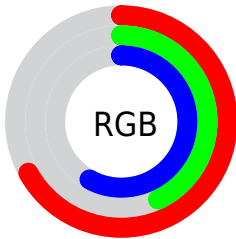
Format	Color
R_{YB}	171, 109, 149
Decimal	11234709
CIE _{Lab}	53.78, 30.69, -11.51
CIE _{LCh}	54, 32.779, 339.434
Yxy	21.7651, 0.3434, 0.2699
Android (android.graphics.Color)	4289424789 (0xFFAB6D95)
YUV	132.0980, 8.3327, 34.1171
Hunter-Lab	46.6531, 24.2945, -6.9628

Details

The XYZ color **27.6880, 21.7651, 31.1755** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **24.9672, 34.0163, 26.7241**, and the grayscale version is **21.9328, 23.0750, 25.1287**.

A 20% lighter version of the original color is **55.2029, 46.1324, 62.4949**, and **11.1566, 7.8955, 12.4912** is the 20% darker color. If you saturate the color by 10%, you get **25.5664, 18.2768, 28.1401**, and if you desaturate by 10%, it is **30.1911, 25.9752, 34.4631**.

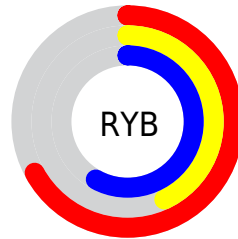
Distribution



Red (67%)

Green (43%)

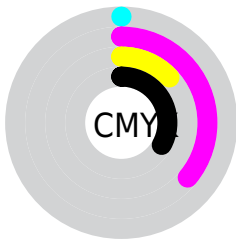
Blue (58%)



Red (67%)

Yellow (43%)

Blue (58%)

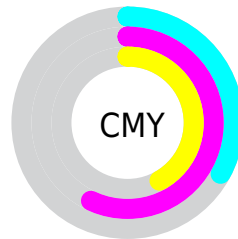


Cyan (0%)

Magenta (36%)

Yellow (13%)

Black (33%)



Cyan (33%)


Magenta (57%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.6880, 21.7651, 31.1755 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 27.6880, 21.7651, 31.1755 by changing the saturation by 10% instead.

 27.6880, 21.7651,
31.1755


 27.6880, 21.7651,
31.1755


283.0802,
261.3171, 321.7222


 18.2299, 13.6844,
20.4729


 55.3981, 46.3575,
62.5991


 11.2158, 7.9015,
12.5518


 74.3807, 63.6379,
84.1572

 6.2806, 4.0320,
6.9936


 97.2689, 84.7537,
110.1709

 3.0587, 1.6915,
3.3797

 124.4279,
110.0893, 141.0587

 1.1849, 0.4181,
1.2916

156.2232,
140.0290, 177.2392

 0.0944, 0.0000,
0.0549

193.0202,

 0.0000, 0.0000,

174.9573, 219.1310

0.0000

235.1840,
215.2585, 267.1525

■ 27.6880, 21.7651,
31.1755

■ 27.6880, 21.7651,
31.1755

■ 25.5664, 18.2768,
28.1401

■ 30.1911, 25.9752,
34.4631

■ 23.8031, 15.4659,
25.3466

■ 33.0930, 30.9423,
38.0098

■ 22.3758, 13.2875,
22.7858

■ 36.4124, 36.7029,
41.8238

■ 21.2583, 11.6903,
20.4471

■ 40.1661, 43.2900,
45.9126

■ 20.4206, 10.6147,
18.3185

■ 44.3702, 50.7350,
50.2832

■ 19.8219, 9.9801,
16.3842

■ 49.0397, 59.0675,
54.9423

■ 19.6266, 9.7908,
15.6986

■ 54.1889, 68.3159,
59.8963

■ 59.8317, 78.5070,
65.1515

■ 63.4075, 84.5191,
69.8559

Harmonies

Analogous

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



25.2876, 21.7651, 42.0293



27.6880, 21.7651, 31.1755



28.1025, 21.7651, 20.6631

Triad

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



27.6880, 21.7651, 31.1755



19.5981, 21.7651, 9.2654



15.8904, 21.7651, 38.2550

Complementary

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



27.6880, 21.7651, 31.1755



24.9672, 34.0163, 26.7241

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.



14.7064, 21.7651, 27.0174



27.6880, 21.7651, 31.1755



16.6813, 21.7651, 11.6647

Square

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



27.6880, 21.7651, 31.1755



23.1553, 21.7651, 9.7952



14.9785, 21.7651, 17.5241



18.4008, 21.7651, 46.8551

Rectangle

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



27.6880, 21.7651, 31.1755



27.1547, 21.7651, 15.3969



14.9785, 21.7651, 17.5241



15.3377, 21.7651, 34.5492

Sweetspot

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



27.6887, 21.7661, 31.1759



62.1805, 60.4553, 71.4692



22.1339, 18.6801, 40.9674



13.6943, 13.1832, 15.7394



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



27.6887, 21.7661, 31.1759



46.3078, 33.5773, 51.1725



25.5519, 20.9114, 19.9239



8.2146, 8.0991, 9.4407



14.8212, 7.3910, 11.9698



0.4371, 0.2155, 0.4633

Inverse Universe

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



27.6887, 21.7661, 31.1759



46.3078, 33.5773, 51.1725



27.3652, 34.9755, 39.3519



8.2146, 8.0991, 9.4407



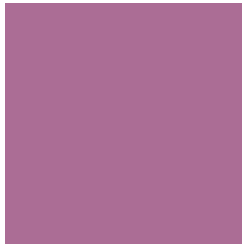
14.8212, 7.3910, 11.9698



0.4371, 0.2155, 0.4633

Previews

White Background



This preview shows how the XYZ color 27.6880, 21.7651, 31.1755 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 27.6880, 21.7651, 31.1755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

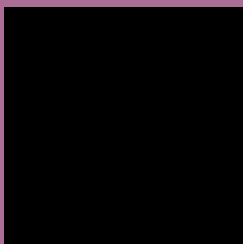
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.6880, 21.7651, 31.1755

Background



This preview shows how black text looks on a background with the XYZ color 27.6880, 21.7651, 31.1755.



This preview shows how white text looks on a background with the XYZ color 27.6880, 21.7651,

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

27.6880, 21.7651, 31.1755

Protanopia

22.1259, 22.1119, 37.2843

Deuteranopia

22.3220, 21.9836, 30.2609



Tritanopia

25.7409, 21.7895, 21.5880

Trichromacy



Original Color

27.6880, 21.7651, 31.1755

Protanomaly

23.5706, 21.5980, 34.8248

Deuteranomaly

24.0156, 21.7426, 30.5347

Tritanomaly

26.3212, 21.6893, 24.6290

Monochromacy



Original Color

27.6880, 21.7651, 31.1755

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

23.6492, 22.3613, 27.1145

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6880, 21.7651, 31.1755 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(171, 109, 149)` looks like.

```
.text, #text, p{  
    color:rgb(171, 109, 149)  
}
```

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(171, 109, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 109, 149) }
```

Border

The CSS property to change the border of an element to XYZ 27.6880, 21.7651, 31.1755 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(171, 109, 149) }
```


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

```
.border{ border-color:rgb(171, 109, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 109, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 109, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 109, 149);  
box-shadow:4px 4px 4px 4px rgb(171, 109,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6880, 21.7651, 31.1755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 109, 149) }
```

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

```
.background{ background-color: rgb(171,  
109, 149) }
```

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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