Converting Colors

XYZ(32.2877, 27.8998, 21.7726)

Have a look what the booklet for XYZ(32.2877, 27.8998, 21.7726) contains.

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Color

XYZ(32.2877, 27.8998, 21.7726)

Conversions

Conversions Part 1

Format	Color
Hex	BD8179
RGB	189, 129, 121
RGB Percent	74%, 51%, 47%
CMY	0.2588, 0.4941, 0.5255
CMYK	0.00, 0.32, 0.36, 0.26
HSL	7°, 34%, 61%
HSV	7°, 36%, 74%
XYZ	32.2877, 27.8998, 21.7726
YIQ	146.0280, 38.3280, 10.2320

Conversions

Conversions Part 2

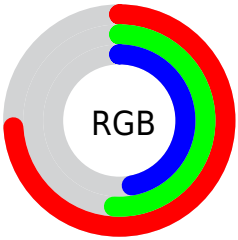
Format	Color
RYB	189, 130, 121
Decimal	12419449
CIELab	59.80, 22.16, 13.73
CIELCh	60, 26.069, 31.788
Yxy	27.8998, 0.3939, 0.3404
Android (android.graphics.Color)	4290609529 (0xFFBD8179)
YUV	146.0280, -12.3388, 37.6864
Hunter-Lab	52.8203, 16.6771, 12.5347

Details

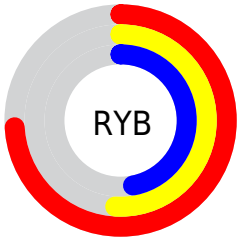
The XYZ color 32.2877, 27.8998, 21.7726 is a dark color, and the websafe version is hex CC9999. A complement of this color would be 33.5937, 40.7853, 54.2459, and the grayscale version is 27.3717, 28.7972, 31.3601.

A 20% lighter version of the original color is 62.6285, 56.2472, 47.0911, and 13.7972, 11.1282, 7.5517 is the 20% darker color. If you saturate the color by 10%, you get 29.2202, 23.4414, 15.5812, and if you desaturate by 10%, it is 35.9423, 33.1687, 29.2805.

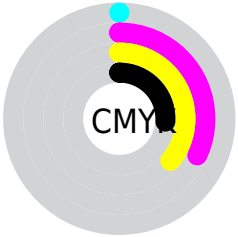
Distribution



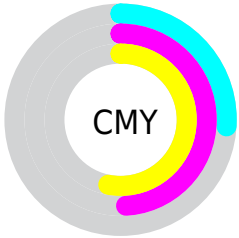
- Red (74%)
- Green (51%)
- Blue (47%)



- Red (74%)
- Yellow (51%)
- Blue (47%)



- Cyan (0%)
- Magenta (32%)
- Yellow (36%)
- Black (26%)



- Cyan (26%)
- Magenta (49%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2877, 27.8998, 21.7726 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 32.2877, 27.8998, 21.7726 by changing the saturation by 10% instead.

32.2877, 27.8998, 21.7726

32.2877, 27.8998, 21.7726

304.1498, 291.9878, 274.2711

21.7380, 18.2501, 13.4932

62.6240, 56.3244, 47.2672

13.7800, 11.1297, 7.6343

83.1413, 75.8682, 65.3195

8.0485, 6.1542, 3.7775

107.7117, 99.4788, 87.4665

4.1781, 2.9390, 1.5041

136.7008, 127.5406, 114.1268

1.8034, 1.1000, 0.2210

170.4738, 160.4380, 145.7188

0.5197, 0.0000, 0.0000

209.3960,

0.0000, 0.0000,

198.5554, 182.6612

0.0000

253.8329, 242.2772, 225.3724

32.2877, 27.8998, 21.7726

32.2877, 27.8998, 21.7726

29.2202, 23.4414, 15.5812

35.9423, 33.1687, 29.2805

26.7068, 19.7493, 10.6287

40.2101, 39.2813, 38.1732

24.7147, 16.7814, 6.8320

45.1185, 46.2738, 48.5160

23.2069, 14.4898, 4.0970

50.6924, 54.1792, 60.3698

22.1409, 12.8207, 2.3146

56.9555, 63.0289, 73.7919

21.4661, 11.7119, 1.3475

21.2779, 11.4021, 1.0794

63.9303, 72.8525, 88.8367

71.6383, 83.6786, 105.5560

74.7963, 89.5588, 107.9521

Harmonies

Analogous

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

33.3820, 27.8998, 29.8143

32.2877, 27.8998, 21.7726

29.6333, 27.8998, 17.0093

Triad

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

32.2877, 27.8998, 21.7726

21.3083, 27.8998, 22.5691

26.7165, 27.8998, 52.4124

Complementary

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

32.2877, 27.8998, 21.7726

33.5937, 40.7853, 54.2459

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.

23.6289, 27.8998, 49.3790

32.2877, 27.8998, 21.7726

20.6658, 27.8998, 30.9490

Square

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

32.2877, 27.8998, 21.7726

23.3126, 27.8998, 17.3976

21.4800, 27.8998, 40.9963

30.0043, 27.8998, 48.5988

Rectangle

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

32.2877, 27.8998, 21.7726

27.4349, 27.8998, 15.7038

21.4800, 27.8998, 40.9963

25.6216, 27.8998, 52.1574

Sweetspot

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

32.2884, 27.9011, 21.7732

76.0920, 76.1667, 76.9330

36.1711, 27.8327, 47.2178

16.1105, 16.0191, 16.0120

90.7827, 95.5105, 104.0109

18.6292, 19.5994, 21.3438

Same Dimension

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

32.2884, 27.9011, 21.7732

53.5022, 43.6889, 30.2449

37.5229, 38.3702, 23.5180

9.6182, 9.7124, 9.9444

14.3466, 7.7319, 0.7363

0.5922, 0.3633, 0.0389

Inverse Universe

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

33.5937, 40.7853, 54.2459

56.1602, 70.0597, 96.7891

27.5148, 28.6275, 52.2196

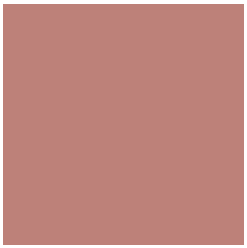
9.7101, 10.6126, 12.2089

15.4840, 21.0797, 35.6456

0.6340, 0.8806, 1.4054

Previews

White Background

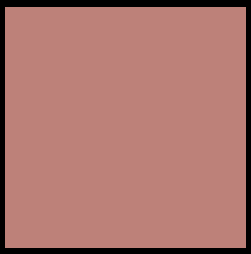


This preview shows how the XYZ color 32.2877, 27.8998, 21.7726 looks on a white background.

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



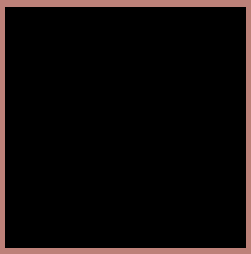
This preview shows how the XYZ color 32.2877, 27.8998, 21.7726 looks on a black background.

Color Contrast Check

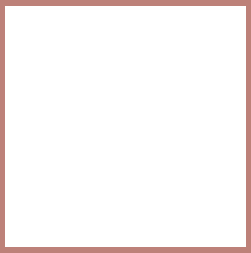
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✕ Fail

If you want to check with other color combinations, try the Color Contrast Checker.

XYZ 32.2877, 27.8998, 21.7726 Background



This preview shows how black text looks on a background with the XYZ color 32.2877, 27.8998, 21.7726.



This preview shows how white text looks on a background with the XYZ color 32.2877, 27.8998,

21.7726.

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
32.2877, 27.8998, 21.7726

Protanopia
26.6982, 28.1108, 24.7877

Deuteranopia
28.4987, 28.0126, 21.3577

Tritanopia
33.2685, 27.9035, 26.9250

Trichromacy

Original Color
32.2877, 27.8998, 21.7726

Protanomaly
28.5156, 27.9709, 23.6347

Deuteranomaly
29.7333, 27.7980, 21.5677

Tritanomaly
33.0511, 28.0242, 25.1400

Monochromacy

Original Color
32.2877, 27.8998, 21.7726

Achromatopsia
27.3213, 28.7441, 31.3023

Achromatomaly
28.7937, 28.2437, 27.6009

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2877, 27.8998, 21.7726 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(189, 129, 121) looks like.

```
.text, #text, p{
    color:rgb(189, 129, 121)
}
```

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(189, 129, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 129, 121) }
```

Border

The CSS property to change the border of an element to XYZ 32.2877, 27.8998, 21.7726 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(189, 129, 121) }
```

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

```
.border{ border-color:rgb(189, 129, 121) }
```

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

Here you see how a box with a 4 pixel rgb(189, 129, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 129, 121); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 129, 121); box-shadow:4px 4px 4px 4px rgb(189, 129, 121) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2877, 27.8998, 21.7726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(189, 129, 121) }
```

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

```
.background{ background-color:rgb(189,
129, 121) }
```

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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