

Converting Colors

XYZ(34.5847, 27.9570, 22.0034)

Have a look what the booklet for
XYZ(34.5847, 27.9570, 22.0034)
contains.

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Color

**XYZ(34.6832, 27.9886,
21.9867)**

Conversions

Conversions Part 1

Format	Color
Hex	C97B7A
RGB	201, 123, 122
RGB Percent	79%, 48%, 48%
CMY	0.2118, 0.5176, 0.5216
CMYK	0.00, 0.39, 0.39, 0.21
HSL	1°, 42%, 63%
HSV	1°, 39%, 79%
XYZ	34.6832, 27.9886, 21.9867
YIQ	146.2080, 46.8090, 16.2250

Conversions

Conversions Part 2

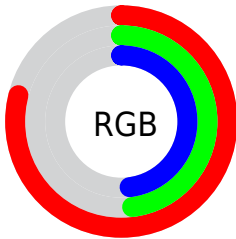
Format	Color
R _Y B	201, 123, 122
Decimal	13204346
CIE Lab	59.88, 30.24, 13.49
CIE LCh	60, 33.108, 24.044
Yxy	27.9886, 0.4097, 0.3306
Android (android.graphics.Color)	4291394426 (0xFFC97B7A)
YUV	146.2080, -11.9345, 48.0526
Hunter-Lab	52.9043, 24.4394, 12.3924

Details

The XYZ color **34.6832, 27.9886, 21.9867** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **39.2219, 49.6610, 62.7766**, and the grayscale version is **27.4416, 28.8707, 31.4402**.

A 20% lighter version of the original color is **64.4053, 55.3667, 47.3367**, and **15.0867, 11.1754, 7.6652** is the 20% darker color. If you saturate the color by 10%, you get **31.3470, 23.1075, 15.3527**, and if you desaturate by 10%, it is **38.7774, 33.9734, 30.1447**.

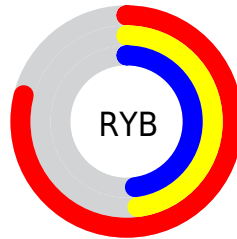
Distribution



Red (79%)

Green (48%)

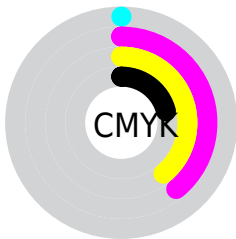
Blue (48%)



Red (79%)

Yellow (48%)

Blue (48%)

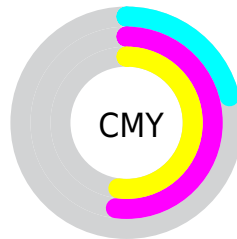


Cyan (0%)

Magenta (39%)

Yellow (39%)

Black (21%)



Cyan (21%)


Magenta (52%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.6832, 27.9886, 21.9867 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 34.6832, 27.9886, 21.9867 by changing the saturation by 10% instead.


 34.6832, 27.9886,
21.9867


 34.6832, 27.9886,
21.9867


314.7003,
292.4124, 275.4281


 23.5843, 18.3171,
13.6489


 66.3320, 56.4662,
47.6259

 15.1486, 11.1779,
7.7409


 87.6126, 76.0411,
65.7644

 9.0107, 6.1866,
3.8442


 113.0177, 99.6859,
88.0069

 4.8054, 2.9589,
1.5403

142.9129,
127.7851, 114.7719

 2.1671, 1.1103,
0.2477

177.6634,
160.7229, 146.4780

 0.7253, 0.0000,
0.0000

217.6346,

 0.0000, 0.0000,

198.8838, 183.5437

0.0000

263.1918,
242.6522, 226.3875

■ 34.6832, 27.9886,
21.9867

■ 34.6832, 27.9886,
21.9867

■ 31.3470, 23.1075,
15.3527

■ 38.7774, 33.9734,
30.1447

■ 28.7203, 19.2588,
10.1466

■ 43.6698, 41.1193,
39.9113

■ 26.7525, 16.3696,
6.2642

■ 49.4005, 49.4843,
51.3670

■ 25.3851, 14.3556,
3.5862

■ 56.0061, 59.1218,
64.5861

■ 24.5496, 13.1179,
1.9722

■ 63.5212, 70.0818,
79.6390

■ 24.1378, 12.5061,
1.1819

■ 71.9783, 82.4115,
96.5917

■ 24.1151, 12.4730,
1.1365

■ 77.8973, 91.1575,
108.0973

Harmonies

Analogous

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



35.4736, 27.9886, 32.9394



34.6832, 27.9886, 21.9867



31.6335, 27.9886, 15.3209

Triad

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



34.6832, 27.9886, 21.9867



20.5841, 27.9886, 18.8082



25.7727, 27.9886, 59.7651

Complementary

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



34.6832, 27.9886, 21.9867



39.2219, 49.6610, 62.7766

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.



22.1351, 27.9886, 53.3019



34.6832, 27.9886, 21.9867



19.3490, 27.9886, 28.1363

Square

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



34.6832, 27.9886, 21.9867



23.4447, 27.9886, 13.8525



19.8855, 27.9886, 40.9069



30.0315, 27.9886, 56.8639

Rectangle

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



34.6832, 27.9886, 21.9867



28.8856, 27.9886, 13.2031



19.8855, 27.9886, 40.9069



24.4426, 27.9886, 58.5721

Sweetspot

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



34.6839, 27.9900, 21.9872



81.6171, 80.4001, 82.0228



41.5896, 30.5538, 58.9637



17.1852, 16.7940, 16.9880



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



34.6839, 27.9900, 21.9872



54.5232, 40.8123, 27.9810



40.4328, 39.4876, 23.9035



10.6445, 10.6582, 11.0590



15.1678, 7.8527, 0.7163



0.7221, 0.3795, 0.0352

Inverse Universe

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



39.2219, 49.6610, 62.7766



63.3415, 82.9347, 107.2773



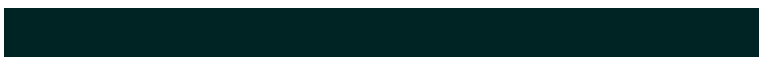
31.4013, 34.0197, 60.1697



10.9347, 12.0435, 13.6658



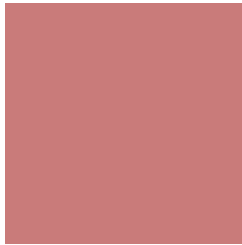
19.3954, 28.1848, 39.1623



0.9222, 1.3421, 1.8556

Previews

White Background



This preview shows how the XYZ color 34.6832, 27.9886, 21.9867 looks on a white background.

Color Contrast Check

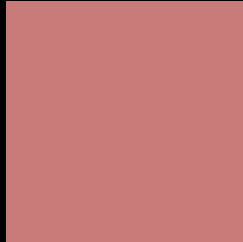
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.6832, 27.9886, 21.9867 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

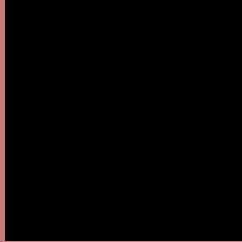
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.6832, 27.9886, 21.9867

Background



This preview shows how black text looks on a background with the XYZ color 34.6832, 27.9886, 21.9867.



This preview shows how white text looks on a background with the XYZ color 34.6832, 27.9886,

21.9867.

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

34.6832, 27.9886, 21.9867

Protanopia

26.7846, 28.1240, 26.2071

Deuteranopia

28.7108, 28.1220, 21.3676



Tritanopia

35.4134, 28.1143, 25.0328

Trichromacy



Original Color

34.6832, 27.9886, 21.9867

Protanomaly

29.1288, 27.6283, 24.5664

Deuteranomaly

30.6001, 27.8344, 21.5291

Tritanomaly

35.2129, 28.0341, 23.9773

Monochromacy



Original Color

34.6832, 27.9886, 21.9867

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

29.3297, 28.0901, 27.5430

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6832, 27.9886, 21.9867 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(201, 123, 122)` looks like.

```
.text, #text, p{  
    color:rgb(201, 123, 122)  
}
```

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(201, 123, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 123, 122) }
```

Border

The CSS property to change the border of an element to XYZ 34.6832, 27.9886, 21.9867 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(201, 123, 122) }
```


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

```
.border{ border-color:rgb(201, 123, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 123, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(201, 123, 122); -webkit-box-shadow:4px 4px 4px 4px rgb(201, 123, 122); box-shadow:4px 4px 4px 4px rgb(201, 123, 122) }
```

Background

The CSS property to change the background color of an element to XYZ 34.6832, 27.9886, 21.9867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 123, 122) }
```

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

```
.background{ background-color: rgb(201,  
123, 122) }
```

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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