

Converting Colors

XYZ(31.2199, 27.7299, 22.4458)

Have a look what the booklet for
XYZ(31.2199, 27.7299, 22.4458)
contains.

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Color

**XYZ(31.2199, 27.7299,
22.4458)**

Conversions

Conversions Part 1

Format	Color
Hex	B7837B
RGB	183, 131, 123
RGB Percent	72%, 51%, 48%
CMY	0.2824, 0.4863, 0.5176
CMYK	0.00, 0.28, 0.33, 0.28
HSL	8°, 29%, 60%
HSV	8°, 33%, 72%
XYZ	31.2199, 27.7299, 22.4458
YIQ	145.6360, 33.5600, 8.5360

Conversions

Conversions Part 2

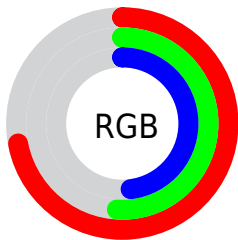
Format	Color
R_{YB}	183, 132, 123
Decimal	12026747
CIE _{Lab}	59.64, 18.93, 12.27
CIE _{LCh}	60, 22.564, 32.953
Yxy	27.7299, 0.3836, 0.3407
Android (android.graphics.Color)	4290216827 (0xFFB7837B)
YUV	145.6360, -11.1595, 32.7682
Hunter-Lab	52.6592, 13.6732, 11.5893

Details

The XYZ color **31.2199, 27.7299, 22.4458** is a dark color, and the websafe version is hex **CC9999**. A complement of this color would be **32.0451, 38.2886, 50.5014**, and the grayscale version is **27.2078, 28.6248, 31.1724**.

A 20% lighter version of the original color is **60.8135, 55.9014, 48.1423**, and **13.0805, 10.9685, 7.9063** is the 20% darker color. If you saturate the color by 10%, you get **28.2103, 23.3758, 16.3093**, and if you desaturate by 10%, it is **34.7712, 32.8244, 29.8200**.

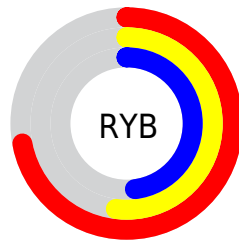
Distribution



Red (72%)

Green (51%)

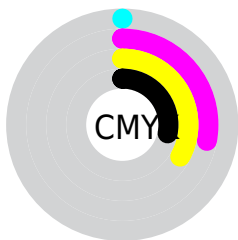
Blue (48%)



Red (72%)

Yellow (52%)

Blue (48%)

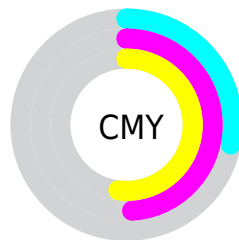


Cyan (0%)

Magenta (28%)

Yellow (33%)

Black (28%)



Cyan (28%)

Magenta (49%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2199, 27.7299, 22.4458 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 31.2199, 27.7299, 22.4458 by changing the saturation by 10% instead.

■ 31.2199, 27.7299,
22.4458

■ 31.2199, 27.7299,
22.4458

299.3589,
291.1740, 277.8947

■ 20.9190, 18.1222,
13.9834

■ 60.9596, 56.0529,
48.3933

■ 13.1769, 11.0377,
7.9705

■ 81.1291, 75.5370,
66.7155

■ 7.6283, 6.0922,
3.9886

■ 105.3189, 99.0820,
89.1614

■ 3.9079, 2.9012,
1.6191

133.8943,
127.0722, 116.1494

■ 1.6501, 1.0804,
0.3044

167.2206,
159.8921, 148.0983

■ 0.4248, 0.0000,
0.0000

205.6633,

■ 0.0000, 0.0000,

197.9262, 185.4264

0.0000

249.5876,
241.5587, 228.5523

■ 31.2199, 27.7299,
22.4458

■ 31.2199, 27.7299,
22.4458

■ 28.2103, 23.3758,
16.3093

■ 34.7712, 32.8244,
29.8200

■ 25.7135, 19.7238,
11.3408

■ 38.8868, 38.6873,
38.4928

■ 23.7011, 16.7381,
7.4666

■ 43.5908, 45.3503,
48.5234

■ 22.1411, 14.3782,
4.6034

■ 48.9051, 52.8418,
59.9665

■ 20.9976, 12.5991,
2.6564

■ 54.8507, 61.1890,
72.8741

■ 20.2288, 11.3497,
1.5121

■ 61.4474, 70.4178,
87.2953

■ 19.8637, 10.7377,
1.0256

■ 68.7142, 80.5531,
103.2771

■ 73.3385, 88.8073,
107.8839

Harmonies

Analogous

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



32.2076, 27.7299, 29.3930



31.2199, 27.7299, 22.4458



28.9238, 27.7299, 18.2760

Triad

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



31.2199, 27.7299, 22.4458



21.7771, 27.7299, 23.6129



26.6393, 27.7299, 48.7036

Complementary

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



31.2199, 27.7299, 22.4458



32.0451, 38.2886, 50.5014

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.



23.9457, 27.7299, 46.4118



31.2199, 27.7299, 22.4458



21.2607, 27.7299, 31.0076

Square

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



31.2199, 27.7299, 22.4458



23.4906, 27.7299, 18.8597



22.0263, 27.7299, 39.5450



29.4464, 27.7299, 45.3448

Rectangle

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



31.2199, 27.7299, 22.4458



27.0335, 27.7299, 17.1578



22.0263, 27.7299, 39.5450



25.6908, 27.7299, 48.5695

Sweetspot

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



31.2206, 27.7312, 22.4464



71.7502, 72.2755, 73.4096



34.3495, 27.3286, 44.0222



15.5970, 15.6081, 15.6817



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.



31.2206, 27.7312, 22.4464



52.1167, 44.1778, 32.4317



35.8487, 36.9873, 23.9890



9.0986, 9.2002, 9.4032



13.8870, 7.5503, 0.7254



0.5209, 0.3288, 0.0360

Inverse Universe

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



32.0451, 38.2886, 50.5014



53.8000, 65.8614, 90.1127



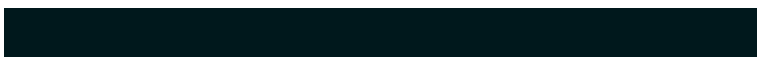
26.8413, 27.8809, 48.7668



9.1618, 10.0008, 11.5269



14.5989, 19.6574, 34.2779



0.5432, 0.7501, 1.2179

Previews

White Background



This preview shows how the XYZ color 31.2199, 27.7299, 22.4458 looks on a white background.

Color Contrast Check

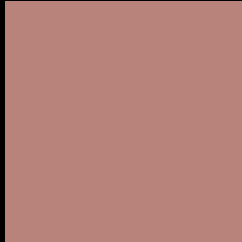
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.2199, 27.7299, 22.4458 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 31.2199, 27.7299, 22.4458

Background



This preview shows how black text looks on a background with the XYZ color 31.2199, 27.7299, 22.4458.



This preview shows how white text looks on a background with the XYZ color 31.2199, 27.7299,

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

31.2199, 27.7299, 22.4458

Protanopia

26.5134, 28.0155, 24.7790

Deuteranopia

28.4714, 27.9774, 22.3119



Tritanopia

32.4453, 27.8498, 27.7102

Trichromacy



Original Color

31.2199, 27.7299, 22.4458

Protanomaly

27.9637, 27.6789, 23.9474

Deuteranomaly

29.3303, 27.7841, 22.2294

Tritanomaly

31.9834, 27.8491, 25.8800

Monochromacy



Original Color

31.2199, 27.7299, 22.4458

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

28.4104, 28.2557, 28.0013

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2199, 27.7299, 22.4458 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(183, 131, 123)` looks like.

```
.text, #text, p{  
    color:rgb(183, 131, 123)  
}
```

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(183, 131, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 131, 123) }
```

Border

The CSS property to change the border of an element to XYZ 31.2199, 27.7299, 22.4458 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(183, 131, 123) }
```


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

```
.border{ border-color:rgb(183, 131, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 131, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 131, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 131, 123);  
box-shadow:4px 4px 4px 4px rgb(183, 131,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2199, 27.7299, 22.4458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 131, 123) }
```

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

```
.background{ background-color: rgb(183,  
131, 123) }
```

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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