

Converting Colors

XYZ(33.8252, 33.0398, 24.9571)

Have a look what the booklet for
XYZ(33.8252, 33.0398, 24.9571)
contains.

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Color

**XYZ(33.6998, 32.8772,
24.9918)**

Conversions

Conversions Part 1

Format	Color
Hex	B59580
RGB	181, 149, 128
RGB Percent	71%, 58%, 50%
CMY	0.2902, 0.4157, 0.4980
CMYK	0.00, 0.18, 0.29, 0.29
HSL	24°, 26%, 61%
HSV	24°, 29%, 71%
XYZ	33.6998, 32.8772, 24.9918
YIQ	156.1740, 25.8130, 0.2530

Conversions

Conversions Part 2

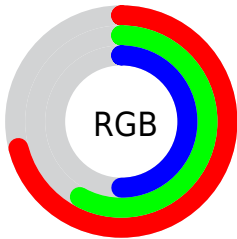
Format	Color
RYB	181, 163, 128
Decimal	11900288
CIELab	64.06, 8.80, 15.58
CIElCh	64, 17.893, 60.554
Yxy	32.8772, 0.3680, 0.3590
Android (android.graphics.Color)	4290090368 (0xFFB59580)
YUV	156.1740, -13.8898, 21.7724
Hunter-Lab	57.3386, 4.5677, 14.2947

Details

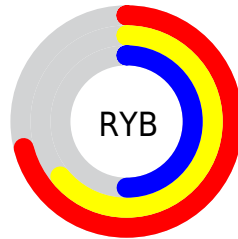
The XYZ color **33.6998, 32.8772, 24.9918** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **29.8130, 33.0659, 48.5272**, and the grayscale version is **31.7304, 33.3828, 36.3539**.

A 20% lighter version of the original color is **64.9563, 64.2252, 52.6892**, and **14.5314, 13.8119, 9.2972** is the 20% darker color. If you saturate the color by 10%, you get **30.9648, 29.1467, 18.7175**, and if you desaturate by 10%, it is **36.8113, 37.0202, 32.4409**.

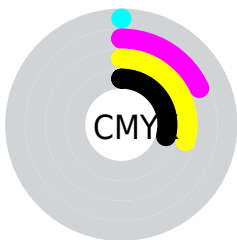
Distribution



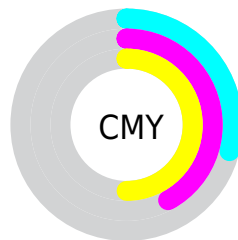
- Red (71%)
- Green (58%)
- Blue (50%)



- Red (71%)
- Yellow (64%)
- Blue (50%)



- Cyan (0%)
- Magenta (18%)
- Yellow (29%)
- Black (29%)



- Cyan (29%)
- Magenta (42%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6998, 32.8772, 24.9918 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 33.6998, 32.8772, 24.9918 by changing the saturation by 10% instead.

■ 33.6998, 32.8772,
24.9918

■ 33.6998, 32.8772,
24.9918

310.4009,
315.0960, 291.2435

■ 22.8249, 22.0324,
15.8520

■ 64.8140, 64.1838,
52.6079

■ 14.5842, 13.8807,
9.2663

■ 85.7839, 85.4143,
71.9212

■ 8.6125, 8.0377,
4.8161

■ 110.8495,
110.8755, 95.4628

■ 4.5444, 4.1191,
2.0829

140.3763,
140.9519, 123.6512

■ 2.0145, 1.7404,
0.6056

174.7294,
176.0277, 156.9049

■ 0.6421, 0.4496,
0.0000

214.2743,

■ 0.0000, 0.0000,

216.4874, 195.6425

0.0000

259.3764,
262.7154, 240.2825

■ 33.6998, 32.8772,
24.9918

■ 33.6998, 32.8772,
24.9918

■ 30.9648, 29.1467,
18.7175

■ 36.8113, 37.0202,
32.4409

■ 28.5881, 25.8107,
13.5549

■ 40.3114, 41.5838,
41.1191

■ 26.5533, 22.8566,
9.4381

■ 44.2149, 46.5818,
51.0802

■ 24.8421, 20.2692,
6.2934

■ 48.5349, 52.0257,
62.3737

■ 23.4336, 18.0319,
4.0372

■ 53.2840, 57.9266,
75.0467

■ 22.3044, 16.1267,
2.5714

■ 58.4742, 64.2953,
89.1440

■ 21.4141, 14.5284,
1.7130

■ 64.1169, 71.1422,
104.7083

■ 21.3561, 14.4238,
1.6585

■ 67.2228, 77.2771,
105.9807

■ 70.4732, 83.7780,
107.0642

Harmonies

Analogous

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



35.6244, 32.8772, 29.1769



33.6998, 32.8772, 24.9918



31.2018, 32.8772, 23.6036

Triad

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



33.6998, 32.8772, 24.9918



26.6358, 32.8772, 35.9326



33.7856, 32.8772, 49.1738

Complementary

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



33.6998, 32.8772, 24.9918



29.8130, 33.0659, 48.5272

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.



31.2959, 32.8772, 51.6005



33.6998, 32.8772, 24.9918



27.2470, 32.8772, 43.3512

Square

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



33.6998, 32.8772, 24.9918



27.2041, 32.8772, 29.3809



28.9196, 32.8772, 49.3405



35.6758, 32.8772, 43.0866

Rectangle

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



33.6998, 32.8772, 24.9918



29.5730, 32.8772, 24.2809



28.9196, 32.8772, 49.3405



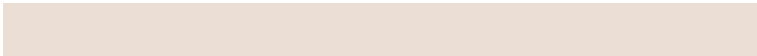
32.9867, 32.8772, 50.4787

Sweetspot

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



33.7007, 32.8787, 24.9925



72.2834, 74.5877, 73.8618



33.1806, 27.8245, 37.1941



15.4187, 15.8568, 15.4507



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



33.7007, 32.8787, 24.9925



57.1920, 54.5878, 37.4388



38.2468, 41.9711, 26.5079



8.7635, 9.0395, 8.9354



14.7861, 10.0709, 1.1646



0.5230, 0.4325, 0.0559

Inverse Universe

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



29.8130, 33.0659, 48.5272



49.1130, 54.9669, 86.3158



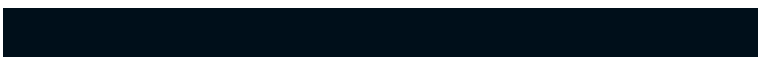
25.7934, 25.0267, 47.1874



8.4544, 9.0550, 10.8085



9.6087, 10.0178, 31.5642



0.3574, 0.4253, 1.0115

Previews

White Background



This preview shows how the XYZ color 33.6998, 32.8772, 24.9918 looks on a white background.

Color Contrast Check

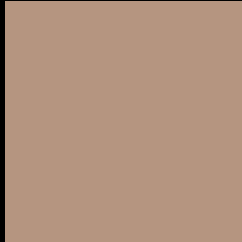
Large Text (above 18pt) WCAG AA × Fail

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 33.6998, 32.8772, 24.9918 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 ✓ Pass

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

XYZ 33.6998, 32.8772, 24.9918

Background



This preview shows how black text looks on a background with the XYZ color 33.6998, 32.8772, 24.9918.



This preview shows how white text looks on a background with the XYZ color 33.6998, 32.8772,

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

33.6998, 32.8772, 24.9918

Protanopia

31.1279, 32.9739, 26.1967

Deuteranopia

33.4661, 32.7567, 24.9809



Tritanopia

35.8933, 32.8414, 35.8997

Trichromacy



Original Color

33.6998, 32.8772, 24.9918

Protanomaly

31.9981, 32.9402, 25.7907

Deuteranomaly

33.4661, 32.7567, 24.9809

Tritanomaly

34.9956, 32.7004, 31.6615

Monochromacy



Original Color

33.6998, 32.8772, 24.9918

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

32.0966, 32.8571, 31.8445

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6998, 32.8772, 24.9918 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(181, 149, 128)` looks like.

```
.text, #text, p{  
    color:rgb(181, 149, 128)  
}
```

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(181, 149, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 149, 128) }
```

Border

The CSS property to change the border of an element to XYZ 33.6998, 32.8772, 24.9918 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(181, 149, 128) }
```


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

```
.border{ border-color:rgb(181, 149, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 149, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 149, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 149, 128);  
box-shadow:4px 4px 4px 4px rgb(181, 149,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6998, 32.8772, 24.9918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 149, 128) }
```

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

```
.background{ background-color: rgb(181,  
149, 128) }
```

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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