

Converting Colors

XYZ(33.4551, 32.1546, 21.2036)

Have a look what the booklet for
XYZ(33.4551, 32.1546, 21.2036)
contains.

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Color

**XYZ(33.4974, 32.1564,
21.2709)**

Conversions

Conversions Part 1

Format	Color
Hex	B99275
RGB	185, 146, 117
RGB Percent	73%, 57%, 46%
CMY	0.2745, 0.4274, 0.5412
CMYK	0.00, 0.21, 0.37, 0.27
HSL	26°, 33%, 59%
HSV	26°, 37%, 73%
XYZ	33.4974, 32.1564, 21.2709
YIQ	154.3550, 32.5530, -0.7510

Conversions

Conversions Part 2

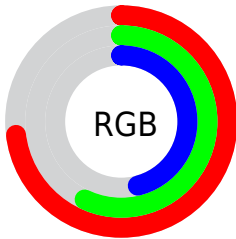
Format	Color
R_{YB}	185, 168, 117
Decimal	12161653
CIE _{Lab}	63.47, 10.63, 20.97
CIE _{LCh}	63, 23.511, 63.128
Yxy	32.1564, 0.3854, 0.3699
Android (android.graphics.Color)	4290351733 (0xFFB99275)
YUV	154.3550, -18.4160, 26.8757
Hunter-Lab	56.7066, 6.2059, 17.4547

Details

The XYZ color **33.4974, 32.1564, 21.2709** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **27.9812, 31.0607, 50.4197**, and the grayscale version is **30.9403, 32.5516, 35.4487**.

A 20% lighter version of the original color is **64.4337, 63.0504, 46.3100**, and **14.3415, 13.3476, 7.2893** is the 20% darker color. If you saturate the color by 10%, you get **30.9553, 28.6442, 15.5771**, and if you desaturate by 10%, it is **36.4080, 36.0613, 28.1488**.

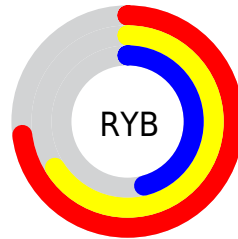
Distribution



Red (73%)

Green (57%)

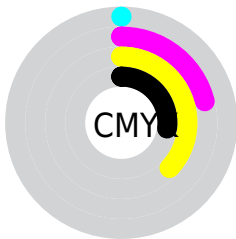
Blue (46%)



Red (73%)

Yellow (66%)

Blue (46%)

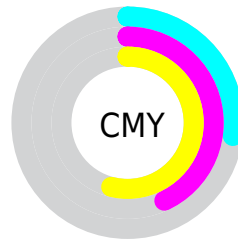


Cyan (0%)

Magenta (21%)

Yellow (37%)

Black (27%)



Cyan (27%)


Magenta (43%)


Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4974, 32.1564, 21.2709 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 33.4974, 32.1564, 21.2709 by changing the saturation by 10% instead.


 33.4974, 32.1564,
21.2709


 33.4974, 32.1564,
21.2709


309.5106,
311.8311, 271.5429


 22.6688, 21.4810,
13.1290

 64.5008, 63.0562,
46.4246

 14.4685, 13.4760,
7.3857


 85.4064, 84.0494,
64.2734

 8.5311, 7.7572,
3.6224


 110.4016,
109.2506, 86.1950

 4.4913, 3.9400,
1.4205

139.8519,
139.0442, 112.6079

 1.9836, 1.6400,
0.1577

174.1226,
173.8147, 143.9306

 0.6248, 0.3844,
0.0000

213.5790,

 0.0000, 0.0000,

213.9464, 180.5816

0.0000

258.5866,
259.8237, 222.9795

■ 33.4974, 32.1564,
21.2709

■ 33.4974, 32.1564,
21.2709

■ 30.9553, 28.6442,
15.5771

■ 36.4080, 36.0613,
28.1488

■ 28.7622, 25.5067,
10.9970

■ 39.7001, 40.3668,
36.2716

■ 26.9008, 22.7312,
7.4557

■ 43.3894, 45.0864,
45.6983

■ 25.3506, 20.3025,
4.8683

■ 47.4895, 50.2315,
56.4837

■ 24.0885, 18.2038,
3.1358

■ 52.0136, 55.8130,
68.6792

■ 23.0842, 16.4148,
2.1240

■ 56.9743, 61.8415,
82.3336

■ 22.7970, 15.8930,
1.8661

■ 62.3833, 68.3270,
97.4933

■ 66.5997, 74.6184,
105.5004

■ 69.6577, 80.7343,
106.5197

Harmonies

Analogous

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



36.1427, 32.1564, 26.0577



33.4974, 32.1564, 21.2709



30.2216, 32.1564, 19.9236

Triad

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



33.4974, 32.1564, 21.2709



24.7006, 32.1564, 36.0055



34.1336, 32.1564, 52.3794

Complementary

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



33.4974, 32.1564, 21.2709



27.9812, 31.0607, 50.4197

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.



30.9084, 32.1564, 56.2689



33.4974, 32.1564, 21.2709



25.5905, 32.1564, 45.8154

Square

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



33.4974, 32.1564, 21.2709



25.2867, 32.1564, 27.4818



27.8065, 32.1564, 53.6763



36.5281, 32.1564, 43.8076

Rectangle

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



33.4974, 32.1564, 21.2709



28.1578, 32.1564, 20.9159



27.8065, 32.1564, 53.6763



33.1028, 32.1564, 54.3407

Sweetspot

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



33.4982, 32.1579, 21.2716



74.6976, 76.9170, 74.0821



32.4265, 25.4602, 34.9548



15.9125, 16.3377, 15.4834



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.



33.4982, 32.1579, 21.2716



56.3163, 52.5277, 29.8099



39.4057, 43.9729, 23.2407



9.3111, 9.6251, 9.4740



15.5919, 10.9601, 1.2937



0.6113, 0.5097, 0.0662

Inverse Universe

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



27.9812, 31.0607, 50.4197



45.0035, 50.2635, 89.5345



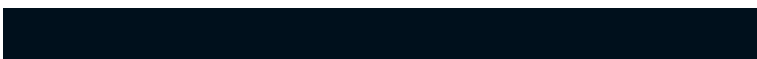
23.1351, 21.3684, 48.8043



8.9371, 9.5515, 11.4520



9.5521, 9.5638, 32.5956



0.3968, 0.4572, 1.1691

Previews

White Background



This preview shows how the XYZ color 33.4974, 32.1564, 21.2709 looks on a white background.

Color Contrast Check

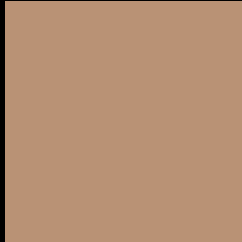
Large Text (above 18pt) WCAG AA × Fail

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 33.4974, 32.1564, 21.2709 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

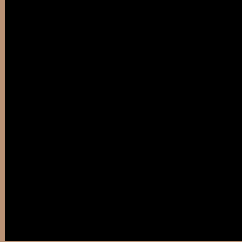
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.4974, 32.1564, 21.2709

Background



This preview shows how black text looks on a background with the XYZ color 33.4974, 32.1564, 21.2709.



This preview shows how white text looks on a background with the XYZ color 33.4974, 32.1564,

21.2709.

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

33.4974, 32.1564, 21.2709

Protanopia

30.2556, 32.3598, 22.4207

Deuteranopia

32.8568, 32.2879, 21.3301



Tritanopia

36.1786, 32.1356, 34.0017

Trichromacy



Original Color

33.4974, 32.1564, 21.2709

Protanomaly

31.4096, 32.2358, 22.0194

Deuteranomaly

32.9360, 32.0969, 21.2890

Tritanomaly

35.2217, 32.2004, 28.7850

Monochromacy



Original Color

33.4974, 32.1564, 21.2709

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

31.3914, 32.0556, 29.7322

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4974, 32.1564, 21.2709 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(185, 146, 117)` looks like.

```
.text, #text, p{  
    color:rgb(185, 146, 117)  
}
```

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(185, 146, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 146, 117) }
```

Border

The CSS property to change the border of an element to XYZ 33.4974, 32.1564, 21.2709 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(185, 146, 117) }
```


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

```
.border{ border-color:rgb(185, 146, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 146, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 146, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 146, 117);  
box-shadow:4px 4px 4px 4px rgb(185, 146,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4974, 32.1564, 21.2709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 146, 117) }
```

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

```
.background{ background-color: rgb(185,  
146, 117) }
```

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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