

Converting Colors

XYZ(33.9728, 30.6350, 24.6539)

Have a look what the booklet for
XYZ(33.9728, 30.6350, 24.6539)
contains.

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Color

**XYZ(33.9710, 30.5543,
24.5292)**

Conversions

Conversions Part 1

Format	Color
Hex	BD8A80
RGB	189, 138, 128
RGB Percent	74%, 54%, 50%
CMY	0.2588, 0.4588, 0.4980
CMYK	0.00, 0.27, 0.32, 0.26
HSL	10°, 32%, 62%
HSV	10°, 32%, 74%
XYZ	33.9710, 30.5543, 24.5292
YIQ	152.1090, 33.6060, 7.7020

Conversions

Conversions Part 2

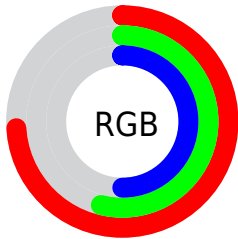
Format	Color
R_{YB}	189, 140, 128
Decimal	12421760
CIE _{Lab}	62.13, 18.07, 13.01
CIE _{LCh}	62, 22.267, 35.757
Yxy	30.5543, 0.3815, 0.3431
Android (android.graphics.Color)	4290611840 (0xFFBD8A80)
YUV	152.1090, -11.8857, 32.3534
Hunter-Lab	55.2759, 12.9680, 12.3827

Details

The XYZ color **33.9710, 30.5543, 24.5292** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **34.2069, 40.5020, 54.1589**, and the grayscale version is **29.9323, 31.4911, 34.2938**.

A 20% lighter version of the original color is **65.1962, 60.6283, 51.9823**, and **14.7325, 12.6123, 9.0551** is the 20% darker color. If you saturate the color by 10%, you get **30.7367, 25.8945, 17.8747**, and if you desaturate by 10%, it is **37.7685, 35.9693, 32.5153**.

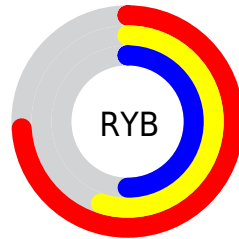
Distribution



Red (74%)

Green (54%)

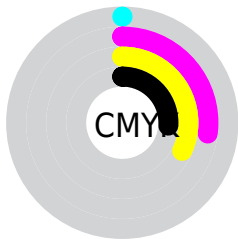
Blue (50%)



Red (74%)

Yellow (55%)

Blue (50%)

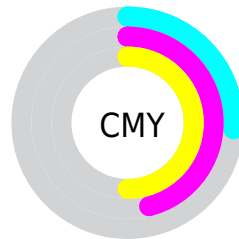


Cyan (0%)

Magenta (27%)

Yellow (32%)

Black (26%)



Cyan (26%)


Magenta (46%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.9710, 30.5543, 24.5292 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 33.9710, 30.5543, 24.5292 by changing the saturation by 10% instead.


 33.9710, 30.5543,
24.5292


 33.9710, 30.5543,
24.5292


311.5909,
304.4797, 288.8574


 23.0341, 20.2597,
15.5108


 65.2332, 60.5377,
51.8470

 14.7395, 12.5840,
9.0281


 86.2891, 80.9952,
70.9835

 8.7219, 7.1427,
4.6624


 111.4488,
105.6092, 94.3299

 4.6159, 3.5515,
1.9954

141.0777,
134.7641, 122.3045

 2.0561, 1.4260,
0.5524

175.5409,
168.8441, 155.3261

 0.6652, 0.2358,
0.0000

215.2040,

 0.0000, 0.0000,

208.2338, 193.8130

0.0000

260.4322,
253.3176, 238.1840

■ 33.9710, 30.5543,
24.5292

■ 33.9710, 30.5543,
24.5292

■ 30.7367, 25.8945,
17.8747

■ 37.7685, 35.9693,
32.5153

■ 28.0361, 21.9520,
12.4773

■ 42.1519, 42.1665,
41.8981

■ 25.8406, 18.6922,
8.2581

■ 47.1457, 49.1771,
52.7410

■ 24.1179, 16.0759,
5.1282

■ 52.7724, 57.0290,
65.1025

■ 22.8320, 14.0597,
2.9863

■ 59.0530, 65.7489,
79.0383

■ 21.9409, 12.5947,
1.7118

■ 66.0078, 75.3625,
94.6010

■ 21.4761, 11.7986,
1.1454

■ 72.7908, 85.5479,
107.2837

■ 74.7962, 89.5588,
107.9521

Harmonies

Analogous

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



35.1578, 30.5543, 31.6409



33.9710, 30.5543, 24.5292



31.4711, 30.5543, 20.3789

Triad

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



33.9710, 30.5543, 24.5292



24.0987, 30.5543, 26.9436



29.6226, 30.5543, 52.5308

Complementary

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



33.9710, 30.5543, 24.5292



34.2069, 40.5020, 54.1589

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.



26.7392, 30.5543, 50.6926



33.9710, 30.5543, 24.5292



23.6782, 30.5543, 34.9509

Square

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



33.9710, 30.5543, 24.5292



25.8032, 30.5543, 21.5959



24.6126, 30.5543, 43.8701



32.5388, 30.5543, 48.5327

Rectangle

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



33.9710, 30.5543, 24.5292



29.4693, 30.5543, 19.3789



24.6126, 30.5543, 43.8701



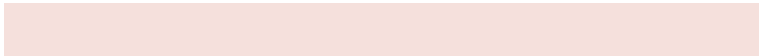
28.6168, 30.5543, 52.5823

Sweetspot

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



33.9718, 30.5557, 24.5298



77.2929, 78.0522, 78.9244



36.9285, 29.5466, 46.8567



16.3632, 16.4214, 16.4143



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.



33.9718, 30.5557, 24.5298



56.4900, 48.4620, 34.9480



38.8208, 40.2537, 26.1461



9.6532, 9.7824, 9.9560



14.4880, 8.0149, 0.7834



0.6076, 0.3941, 0.0440

Inverse Universe

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



34.2069, 40.5020, 54.1589



56.9640, 69.1183, 96.5651



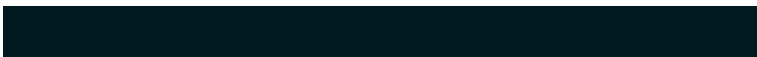
28.8906, 29.8694, 52.3868



9.6718, 10.5359, 12.1961



14.4547, 19.0211, 35.3025



0.6023, 0.8172, 1.3949

Previews

White Background



This preview shows how the XYZ color 33.9710, 30.5543, 24.5292 looks on a white background.

Color Contrast Check

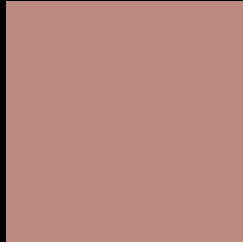
Large Text (above 18pt) WCAG AA × Fail

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 33.9710, 30.5543, 24.5292 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 33.9710, 30.5543, 24.5292

Background



This preview shows how black text looks on a background with the XYZ color 33.9710, 30.5543, 24.5292.



This preview shows how white text looks on a background with the XYZ color 33.9710, 30.5543,

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

33.9710, 30.5543, 24.5292

Protanopia

29.1141, 30.7020, 26.9459

Deuteranopia

31.1897, 30.6673, 24.3542



Tritanopia

35.3381, 30.4796, 31.2148

Trichromacy



Original Color

33.9710, 30.5543, 24.5292

Protanomaly

30.8059, 30.6587, 26.1239

Deuteranomaly

32.0942, 30.4620, 24.2669

Tritanomaly

34.6996, 30.4195, 28.4688

Monochromacy



Original Color

33.9710, 30.5543, 24.5292

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.9087, 30.8499, 30.3122

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9710, 30.5543, 24.5292 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, 138, 128)` looks like.

```
.text, #text, p{  
    color:rgb(189, 138, 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(189, 138, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 138, 128) }
```

Border

The CSS property to change the border of an element to XYZ 33.9710, 30.5543, 24.5292 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, 138, 128) }
```


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

```
.border{ border-color:rgb(189, 138, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 138, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 138, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 138, 128);  
box-shadow:4px 4px 4px 4px rgb(189, 138,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9710, 30.5543, 24.5292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 138, 128) }
```

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

```
.background{ background-color: rgb(189,  
138, 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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