

Converting Colors

XYZ(33.2599, 30.3361, 24.5944)

Have a look what the booklet for
XYZ(33.2599, 30.3361, 24.5944)
contains.

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Color

**XYZ(33.3786, 30.4629,
24.5428)**

Conversions

Conversions Part 1

Format	Color
Hex	BA8B80
RGB	186, 139, 128
RGB Percent	73%, 55%, 50%
CMY	0.2706, 0.4549, 0.4980
CMYK	0.00, 0.25, 0.31, 0.27
HSL	11°, 30%, 62%
HSV	11°, 31%, 73%
XYZ	33.3786, 30.4629, 24.5428
YIQ	151.7990, 31.5430, 6.5430

Conversions

Conversions Part 2

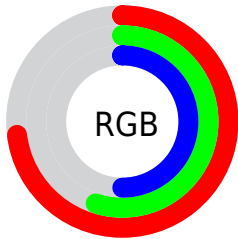
Format	Color
R _Y B	186, 142, 128
Decimal	12225408
CIE Lab	62.05, 16.33, 12.85
CIE LCh	62, 20.783, 38.207
Yxy	30.4629, 0.3777, 0.3447
Android (android.graphics.Color)	4290415488 (0xFFBA8B80)
YUV	151.7990, -11.7329, 29.9943
Hunter-Lab	55.1932, 11.3614, 12.2707

Details

The XYZ color **33.3786, 30.4629, 24.5428** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **33.0944, 38.7929, 52.1979**, and the grayscale version is **29.7985, 31.3504, 34.1405**.

A 20% lighter version of the original color is **64.3726, 60.5308, 52.0069**, and **14.4994, 12.6148, 9.0678** is the 20% darker color. If you saturate the color by 10%, you get **30.2310, 25.9506, 17.9971**, and if you desaturate by 10%, it is **37.0531, 35.6695, 32.3720**.

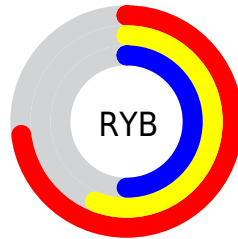
Distribution



Red (73%)

Green (55%)

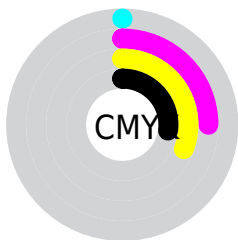
Blue (50%)



Red (73%)

Yellow (56%)

Blue (50%)

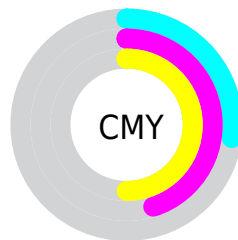


Cyan (0%)

Magenta (25%)

Yellow (31%)

Black (27%)



Cyan (27%)


Magenta (45%)


Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3786, 30.4629, 24.5428 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 33.3786, 30.4629, 24.5428 by changing the saturation by 10% instead.


 33.3786, 30.4629,
24.5428


 33.3786, 30.4629,
24.5428


308.9872,
304.0562, 288.9278


 22.5773, 20.1902,
15.5208


 64.3169, 60.3935,
51.8694

 14.4006, 12.5334,
9.0351


 85.1846, 80.8201,
71.0112

 8.4834, 7.1080,
4.6669


 110.1384,
105.4002, 94.3633

 4.4602, 3.5298,
1.9979

139.5437,
134.5182, 122.3442

 1.9656, 1.4142,
0.5540

173.7659,
168.5583, 155.3726

 0.6145, 0.2271,
0.0000

213.1703,

 0.0000, 0.0000,

207.9051, 193.8670

0.0000

258.1223,
252.9430, 238.2459

■ 33.3786, 30.4629,
24.5428

■ 33.3786, 30.4629,
24.5428

■ 30.2310, 25.9506,
17.9971

■ 37.0531, 35.6695,
32.3720

■ 27.5835, 22.0990,
12.6644

■ 41.2749, 41.5938,
41.5464

■ 25.4102, 18.8780,
8.4699

■ 46.0665, 48.2632,
52.1260

■ 23.6821, 16.2534,
5.3302

■ 51.4481, 55.7026,
64.1666

■ 22.3668, 14.1878,
3.1499

■ 57.4389, 63.9355,
77.7209

■ 21.4270, 12.6392,
1.8164

■ 64.0576, 72.9846,
92.8391

■ 20.8593, 11.6582,
1.1509

■ 70.8019, 82.6635,
106.8317

■ 74.0597, 89.1791,
107.9177

Harmonies

Analogous

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



34.5965, 30.4629, 31.0231



33.3786, 30.4629, 24.5428



30.9923, 30.4629, 20.8478

Triad

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



33.3786, 30.4629, 24.5428



24.2519, 30.4629, 27.7844



29.7269, 30.4629, 50.8230

Complementary

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



33.3786, 30.4629, 24.5428



33.0944, 38.7929, 52.1979

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.



27.0073, 30.4629, 49.5827



33.3786, 30.4629, 24.5428



23.9611, 30.4629, 35.4114

Square

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



33.3786, 30.4629, 24.5428



25.7603, 30.4629, 22.4993



24.9389, 30.4629, 43.6110



32.4014, 30.4629, 46.7695

Rectangle

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



33.3786, 30.4629, 24.5428



29.1223, 30.4629, 20.0576



24.9389, 30.4629, 43.6110



28.7865, 30.4629, 51.0225

Sweetspot

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



33.3794, 30.4643, 24.5434



76.4943, 77.7383, 78.9946



35.7430, 28.9873, 44.4579



16.5778, 16.7458, 16.8085



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.



33.3794, 30.4643, 24.5434



56.7262, 49.8171, 36.5975



38.0812, 39.8679, 26.1107



9.1388, 9.2806, 9.4166



14.0754, 7.9271, 0.7882



0.5380, 0.3631, 0.0417

Inverse Universe

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



33.0944, 38.7929, 52.1979



56.1208, 67.1437, 94.2036



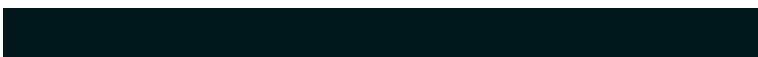
28.1008, 28.8057, 50.5334



9.1180, 9.9131, 11.5123



13.4285, 17.3166, 33.8878



0.5112, 0.6861, 1.2072

Previews

White Background



This preview shows how the XYZ color 33.3786, 30.4629, 24.5428 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 33.3786, 30.4629, 24.5428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

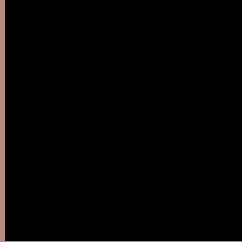
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.3786, 30.4629, 24.5428

Background



This preview shows how black text looks on a background with the XYZ color 33.3786, 30.4629, 24.5428.



This preview shows how white text looks on a background with the XYZ color 33.3786, 30.4629,

24.5428.

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

33.3786, 30.4629, 24.5428

Protanopia

29.0446, 30.6742, 26.5802

Deuteranopia

31.1897, 30.6673, 24.3542



Tritanopia

34.8097, 30.4063, 31.6381

Trichromacy



Original Color

33.3786, 30.4629, 24.5428

Protanomaly

30.5241, 30.5213, 25.7551

Deuteranomaly

32.0133, 30.6422, 24.3059

Tritanomaly

34.1728, 30.3496, 28.8679

Monochromacy



Original Color

33.3786, 30.4629, 24.5428

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.7015, 30.7431, 30.3025

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3786, 30.4629, 24.5428 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(186, 139, 128)` looks like.

```
.text, #text, p{  
    color:rgb(186, 139, 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(186, 139, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 139, 128) }
```

Border

The CSS property to change the border of an element to XYZ 33.3786, 30.4629, 24.5428 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(186, 139, 128) }
```


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

```
.border{ border-color:rgb(186, 139, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 139, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 139, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 139, 128);  
box-shadow:4px 4px 4px 4px rgb(186, 139,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3786, 30.4629, 24.5428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 139, 128) }
```

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

```
.background{ background-color: rgb(186,  
139, 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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