

Converting Colors

XYZ(33.4495, 42.7604, 32.5980)

Have a look what the booklet for
XYZ(33.4495, 42.7604, 32.5980)
contains.

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Color

**XYZ(33.3320, 42.6764,
32.4672)**

Conversions

Conversions Part 1

Format	Color
Hex	8CBA8F
RGB	140, 186, 143
RGB Percent	55%, 73%, 56%
CMY	0.4510, 0.2706, 0.4392
CMYK	0.25, 0.00, 0.23, 0.27
HSL	124°, 25%, 64%
HSV	124°, 25%, 73%
XYZ	33.3320, 42.6764, 32.4672
YIQ	167.3440, -13.6130, -23.1250

Conversions

Conversions Part 2

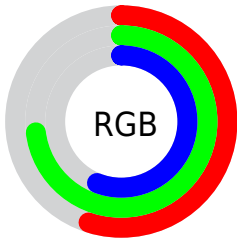
Format	Color
RYB	140, 183, 186
Decimal	9222799
CIELab	71.33, -23.85, 16.96
CIELCh	71, 29.264, 144.577
Yxy	42.6764, 0.3073, 0.3934
Android (android.graphics.Color)	4287412879 (0xFF8CBA8F)
YUV	167.3440, -12.0016, -23.9807
Hunter-Lab	65.3272, -23.2462, 16.2623

Details

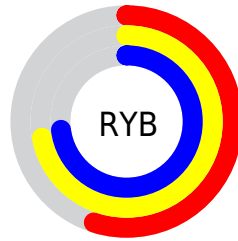
The XYZ color **33.3320, 42.6764, 32.4672** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **38.1764, 32.6150, 49.0846**, and the grayscale version is **36.9607, 38.8856, 42.3464**.

A 20% lighter version of the original color is **64.0783, 79.0048, 64.6955**, and **14.4831, 19.6892, 13.3930** is the 20% darker color. If you saturate the color by 10%, you get **29.2422, 40.7098, 25.9251**, and if you desaturate by 10%, it is **38.1581, 45.0014, 40.1113**.

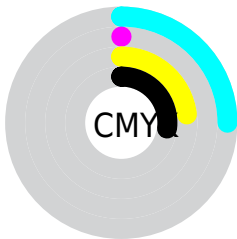
Distribution



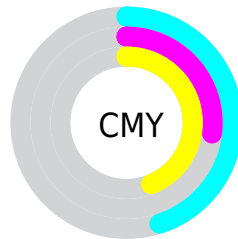
- Red (55%)
- Green (73%)
- Blue (56%)



- Red (55%)
- Yellow (72%)
- Blue (73%)



- Cyan (25%)
- Magenta (0%)
- Yellow (23%)
- Black (27%)





- Cyan (45%)
- Magenta (27%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3320, 42.6764, 32.4672 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 33.3320, 42.6764, 32.4672 by changing the saturation by 10% instead.


 33.3320, 42.6764,
32.4672


 33.3320, 42.6764,
32.4672


308.7817,
357.2793, 327.8001


 22.5414, 29.6313,
21.4508


 64.2447, 79.2223,
64.6492

 14.3740, 19.5589,
13.2595

 85.0975, 103.4919,
86.6519

 8.4647, 12.0748,
7.4747


 110.0351,
132.2718, 113.1538

 4.4480, 6.7947,
3.6778

139.4228,
165.9463, 144.5734

 1.9586, 3.3340,
1.4503

173.6259,
204.9000, 181.3293

 0.6105, 1.3085,
0.1805

213.0099,

 0.0000, 0.1478,

249.5171, 223.8401

0.0000

257.9400,
300.1820, 272.5241

■ 0.0000, 0.0000,
0.0000

■ 33.3320, 42.6764,
32.4672

■ 33.3320, 42.6764,
32.4672

■ 29.2422, 40.7098,
25.9251

■ 38.1581, 45.0014,
40.1113

■ 25.8492, 39.0788,
20.4315

■ 43.7505, 47.6956,
48.9018

■ 23.1152, 37.7661,
15.9328

■ 50.1419, 50.7762,
58.8843

■ 20.9973, 36.7509,
12.3694

■ 57.3620, 54.2575,
70.1010

■ 19.4474, 36.0100,
9.6756

■ 65.4390, 58.1532,
82.5921

■ 18.4105, 35.5164,
7.7767

■ 74.3996, 62.4763,
96.3958

■ 17.8205, 35.2379,
6.5861

■ 76.8497, 63.5995,
102.8332

■ 17.6269, 35.1463,
6.2070

Harmonies

Analogous

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



36.7540, 42.6764, 25.9278



33.3320, 42.6764, 32.4672



31.8553, 42.6764, 43.9538

Triad

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



33.3320, 42.6764, 32.4672



39.6752, 42.6764, 78.9924



49.7877, 42.6764, 36.0856

Complementary

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



33.3320, 42.6764, 32.4672



38.1764, 32.6150, 49.0846

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.



50.7276, 42.6764, 49.0749



33.3320, 42.6764, 32.4672



44.6257, 42.6764, 75.7154

Square

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



33.3320, 42.6764, 32.4672



35.3231, 42.6764, 72.2252



48.7699, 42.6764, 64.0050



46.2962, 42.6764, 27.7021

Rectangle

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



33.3320, 42.6764, 32.4672



32.0790, 42.6764, 53.6249



48.7699, 42.6764, 64.0050



50.4238, 42.6764, 39.9768

Sweetspot

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



33.3331, 42.6782, 32.4681



76.7515, 85.2207, 84.6427



41.9897, 47.1667, 31.7022



16.7630, 18.7001, 18.4217



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.



33.3331, 42.6782, 32.4681



55.9832, 75.2203, 51.7744



35.1942, 43.4226, 42.2683



8.9135, 10.0694, 9.7018



11.8687, 23.6484, 4.2304



0.4265, 0.8369, 0.1916

Inverse Universe

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



38.1764, 32.6150, 49.0846



66.3596, 53.6561, 87.3705



36.0356, 31.7587, 37.8114



9.3550, 9.1524, 11.2166



18.7653, 9.0799, 27.7148



0.6692, 0.3232, 1.0173

Previews

White Background



This preview shows how the XYZ color 33.3320, 42.6764, 32.4672 looks on a white background.

Color Contrast Check

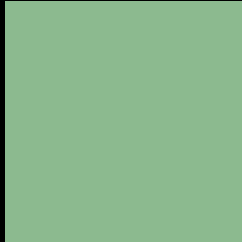
Large Text (above 18pt) WCAG AA × Fail

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 33.3320, 42.6764, 32.4672 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

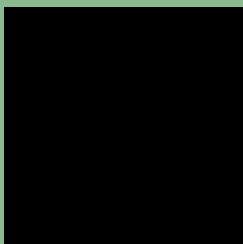
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.3320, 42.6764, 32.4672

Background



This preview shows how black text looks on a background with the XYZ color 33.3320, 42.6764, 32.4672.



This preview shows how white text looks on a background with the XYZ color 33.3320, 42.6764,

32.4672.

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

33.3320, 42.6764, 32.4672

Protanopia

39.6590, 42.3925, 29.7592

Deuteranopia

43.1726, 42.1615, 33.4663



Tritanopia

38.2521, 42.5248, 57.2309

Trichromacy



Original Color

33.3320, 42.6764, 32.4672

Protanomaly

36.9428, 42.1399, 30.6128

Deuteranomaly

38.9148, 41.9311, 33.2366

Tritanomaly

36.3199, 42.6620, 46.8778

Monochromacy



Original Color

33.3320, 42.6764, 32.4672

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

35.2122, 39.9088, 38.1950

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3320, 42.6764, 32.4672 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(140, 186, 143)` looks like.

```
.text, #text, p{  
    color:rgb(140, 186, 143)  
}
```

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(140, 186, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 186, 143) }
```

Border

The CSS property to change the border of an element to XYZ 33.3320, 42.6764, 32.4672 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(140, 186, 143) }
```


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

```
.border{ border-color:rgb(140, 186, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 186, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 186, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 186, 143);  
box-shadow:4px 4px 4px 4px rgb(140, 186,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3320, 42.6764, 32.4672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 186, 143) }
```

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

```
.background{ background-color: rgb(140,  
186, 143) }
```

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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