

Converting Colors

XYZ(43.6670, 51.9249, 33.3122)

Have a look what the booklet for
XYZ(43.6670, 51.9249, 33.3122)
contains.

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Color

**XYZ(43.6670, 51.9249,
33.3122)**

Conversions

Conversions Part 1

Format	Color
Hex	B3C68E
RGB	179, 198, 142
RGB Percent	70%, 78%, 56%
CMY	0.2980, 0.2235, 0.4431
CMYK	0.10, 0.00, 0.28, 0.22
HSL	80°, 33%, 67%
HSV	80°, 28%, 78%
XYZ	43.6670, 51.9249, 33.3122
YIQ	185.9350, 6.6520, -21.4440

Conversions

Conversions Part 2

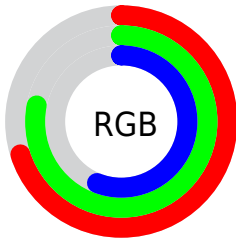
Format	Color
RYB	142, 198, 161
Decimal	11781774
CIELab	77.24, -16.07, 25.99
CIELCh	77, 30.553, 121.729
Yxy	51.9249, 0.3388, 0.4028
Android (android.graphics.Color)	4289971854 (0xFFB3C68E)
YUV	185.9350, -21.6600, -6.0820
Hunter-Lab	72.0589, -17.9339, 23.0320

Details

The XYZ color **43.6670, 51.9249, 33.3122** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **34.5661, 31.0017, 57.5911**, and the grayscale version is **46.7518, 49.1865, 53.5641**.

A 20% lighter version of the original color is **79.9848, 93.1677, 65.9921**, and **20.4658, 25.1375, 13.6709** is the 20% darker color. If you saturate the color by 10%, you get **40.7956, 50.6030, 26.0951**, and if you desaturate by 10%, it is **46.8809, 53.3960, 41.9260**.

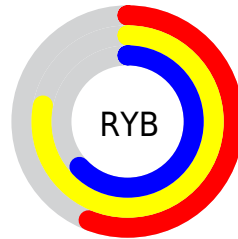
Distribution



Red (70%)

Green (78%)

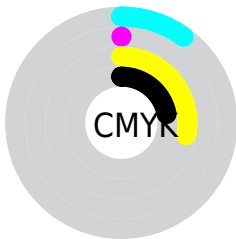
Blue (56%)



Red (56%)

Yellow (78%)

Blue (63%)

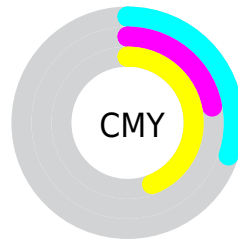


Cyan (10%)

Magenta (0%)

Yellow (28%)

Black (22%)



Cyan (30%)


Magenta (22%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.6670, 51.9249, 33.3122 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 43.6670, 51.9249, 33.3122 by changing the saturation by 10% instead.


 43.6670, 51.9249,
33.3122


 43.6670, 51.9249,
33.3122


352.2229,
394.1466, 331.7292

 30.6056, 36.9452,
22.0926


 79.9659, 93.0205,
65.9843

 20.4491, 25.1651,
13.7260


 103.9341,
119.9052, 88.2739

 12.8320, 16.2001,
7.7938


132.2685,
151.5270, 115.0905

 7.3892, 9.6659,
3.8774

165.3347,
188.2703, 146.8528

 3.7551, 5.1780,
1.5583

203.4978,
230.5195, 183.9793

 1.5646, 2.3521,
0.2608

247.1233,

 0.3691, 0.8011,

278.6590, 226.8885

0.0000

296.5766,
333.0733, 275.9990

■ 0.0000, 0.0000,
0.0000

■ 43.6670, 51.9249,
33.3122

■ 43.6670, 51.9249,
33.3122

■ 40.7956, 50.6030,
26.0951

■ 46.8809, 53.3960,
41.9260

■ 38.2476, 49.4174,
20.1975

■ 50.4472, 55.0152,
52.0012

■ 36.0081, 48.3636,
15.5403


■ 54.3805, 56.7902,
63.6029


■ 34.0589, 47.4344,
12.0340


■ 58.6930, 58.7260,
76.7909


■ 32.3797, 46.6213,
9.5777


■ 63.3967, 60.8274,
91.6219


 30.9468, 45.9149,
8.0525


 67.5537, 62.7194,
103.1533

 29.7242, 45.3006,
7.2749

 69.6201, 63.7848,
103.2501

 29.5263, 45.2007,
7.1684

 71.7692, 64.8926,
103.3506

 74.0018, 66.0436,
103.4551

Harmonies

Analogous

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



49.0142, 51.9249, 30.0492



43.6670, 51.9249, 33.3122



40.0886, 51.9249, 42.6019

Triad

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



43.6670, 51.9249, 33.3122



44.2113, 51.9249, 89.9463



61.4806, 51.9249, 55.5704

Complementary

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



43.6670, 51.9249, 33.3122



34.5661, 31.0017, 57.5911

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.



59.9451, 51.9249, 73.2219



43.6670, 51.9249, 33.3122



49.6934, 51.9249, 95.2683

Square

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



43.6670, 51.9249, 33.3122



40.3849, 51.9249, 75.2416



55.5125, 51.9249, 88.6274



59.5593, 51.9249, 41.2222

Rectangle

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



43.6670, 51.9249, 33.3122



39.0311, 51.9249, 52.0255



55.5125, 51.9249, 88.6274



61.3511, 51.9249, 61.3028

Sweetspot

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



43.6683, 51.9272, 33.3133



89.4365, 97.4657, 92.3936



40.8598, 39.3339, 31.0306



18.9275, 20.7640, 19.1546



0.0000, 0.0000, 0.0000



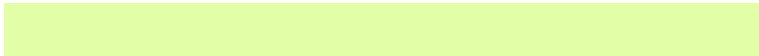
20.3446, 21.4041, 23.3091

Same Dimension

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



43.6683, 51.9272, 33.3133



74.0880, 90.4591, 50.7480



37.9027, 48.9549, 33.0435



11.1608, 12.2298, 11.3351



19.2951, 29.4423, 4.6660



0.9887, 1.4328, 0.2244

Inverse Universe

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



34.5661, 31.0017, 57.5911



55.3234, 47.3041, 100.8225



40.7716, 34.2008, 57.8815



10.3903, 10.4595, 13.3887



8.2253, 3.4745, 34.9815



0.4671, 0.2045, 1.6600

Previews

White Background



This preview shows how the XYZ color 43.6670, 51.9249, 33.3122 looks on a white background.

Color Contrast Check

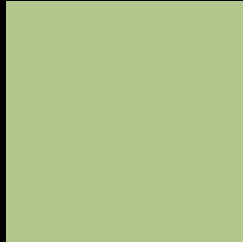
Large Text (above 18pt) WCAG AA × Fail

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 43.6670, 51.9249, 33.3122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

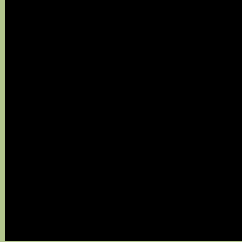
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

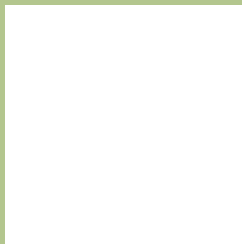
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 43.6670, 51.9249, 33.3122

Background



This preview shows how black text looks on a background with the XYZ color 43.6670, 51.9249, 33.3122.



This preview shows how white text looks on a background with the XYZ color 43.6670, 51.9249,

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

43.6670, 51.9249, 33.3122

Protanopia

48.2505, 51.6701, 31.8564

Deuteranopia

52.7848, 51.7586, 33.9964



Tritanopia

50.1719, 51.9261, 65.1360

Trichromacy



Original Color

43.6670, 51.9249, 33.3122

Protanomaly

46.5685, 51.7691, 32.3490

Deuteranomaly

49.0297, 51.3900, 33.7207

Tritanomaly

47.5210, 51.8316, 51.7558

Monochromacy



Original Color

43.6670, 51.9249, 33.3122

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

45.1976, 49.7965, 45.2597

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.6670, 51.9249, 33.3122 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(179, 198, 142)` looks like.

```
.text, #text, p{  
    color:rgb(179, 198, 142)  
}
```

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(179, 198, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 198, 142) }
```

Border

The CSS property to change the border of an element to XYZ 43.6670, 51.9249, 33.3122 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(179, 198, 142) }
```


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

```
.border{ border-color:rgb(179, 198, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 198, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 198, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 198, 142);  
box-shadow:4px 4px 4px 4px rgb(179, 198,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 43.6670, 51.9249, 33.3122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 198, 142) }
```

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

```
.background{ background-color: rgb(179,  
198, 142) }
```

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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