

# Converting Colors

XYZ(42.4430, 48.2911, 32.2665)

Have a look what the booklet for  
XYZ(42.4430, 48.2911, 32.2665)  
contains.

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# Color

**XYZ(42.5338, 48.3856,  
32.2969)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7BD8D
RGB	183, 189, 141
RGB Percent	72%, 74%, 55%
CMY	0.2824, 0.2588, 0.4471
CMYK	0.03, 0.00, 0.25, 0.26
HSL	68°, 27%, 65%
HSV	68°, 25%, 74%
XYZ	42.5338, 48.3856, 32.2969
YIQ	181.7340, 11.8320, -16.2000

# Conversions

## Conversions Part 2

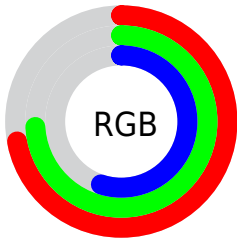
Format	Color
<a href="#">RYB</a>	<a href="#">141, 189, 147</a>
Decimal	<a href="#">12041613</a>
CIELab	<a href="#">75.07, -10.09, 23.63</a>
CIELCh	<a href="#">75, 25.694, 113.117</a>
Yxy	<a href="#">48.3856, 0.3452, 0.3927</a>
Android (android.graphics.Color)	<a href="#">4290231693</a> ( <a href="#">0xFFB7BD8D</a> )
YUV	<a href="#">181.7340, -20.0819, 1.1103</a>
Hunter-Lab	<a href="#">69.5598, -12.5819, 21.1632</a>

# Details

The XYZ color **42.5338, 48.3856, 32.2969** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **30.7447, 28.9282, 52.1101**, and the grayscale version is **44.4211, 46.7344, 50.8938**.

A 20% lighter version of the original color is **78.0993, 87.5957, 64.4211**, and **19.8555, 23.0923, 13.0836** is the 20% darker color. If you saturate the color by 10%, you get **40.6887, 47.5848, 25.4855**, and if you desaturate by 10%, it is **44.6309, 49.2916, 40.3748**.

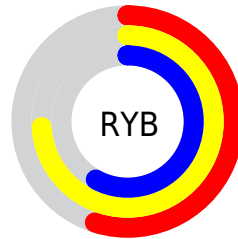
# Distribution



Red (72%)

Green (74%)

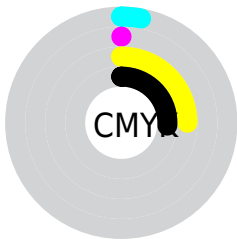
Blue (55%)



Red (55%)

Yellow (74%)

Blue (58%)

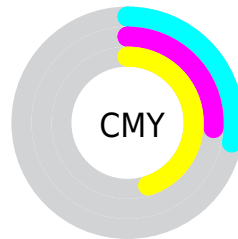


Cyan (3%)

Magenta (0%)

Yellow (25%)

Black (26%)



Cyan (28%)

Magenta (26%)


Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.5338, 48.3856, 32.2969 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 42.5338, 48.3856, 32.2969 by changing the saturation by 10% instead.




 42.5338, 48.3856,  
32.2969

 42.5338, 48.3856,  
32.2969


347.6451,  
380.3185, 327.0038

 29.7124, 34.1324,  
21.3217


 78.2670, 87.7782,  
64.3796

 19.7674, 22.9953,  
13.1658


 101.9095,  
113.6864, 86.3241

 12.3334, 14.5900,  
7.4108


 129.8898,  
144.2484, 112.7621

 7.0449, 8.5322,  
3.6380

162.5732,  
179.8485, 144.1122

 3.5368, 4.4373,  
1.4289

200.3251,  
220.8712, 180.7928

 1.4436, 1.9211,  
0.1641

243.5108,

 0.2870, 0.5610,

267.7008, 223.2226

0.0000

292.4957,  
320.7218, 271.8201

■ 0.0000, 0.0000,  
0.0000

■ 42.5338, 48.3856,  
32.2969

■ 42.5338, 48.3856,  
32.2969

■ 40.6887, 47.5848,  
25.4855

■ 44.6309, 49.2916,  
40.3748

■ 39.0796, 46.8778,  
19.8735

■ 46.9876, 50.3009,  
49.7758

■ 37.6944, 46.2615,  
15.3920


■ 49.6159, 51.4199,  
60.5568


■ 36.5186, 45.7300,  
11.9640


■ 52.5256, 52.6526,  
72.7703

■ 35.5355, 45.2766,  
9.5030


■ 55.7265, 54.0029,  
86.4662

 34.7262, 44.8939,  
7.9087


 59.2274, 55.4743,  
101.6920

 34.0671, 44.5722,  
7.0576

 59.9478, 55.8346,  
102.2253

 33.7915, 44.4357,  
6.7959

 60.5823, 56.1617,  
102.2550

 61.2266, 56.4939,  
102.2852

# Harmonies

## Analogous

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



47.0799, 48.3856, 30.9519



42.5338, 48.3856, 32.2969



39.1372, 48.3856, 38.6352

# Triad

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



42.5338, 48.3856, 32.2969



40.7790, 48.3856, 76.1972



55.5502, 48.3856, 55.8446

# Complementary

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



42.5338, 48.3856, 32.2969



30.7447, 28.9282, 52.1101

# 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.



53.5973, 48.3856, 69.7814



42.5338, 48.3856, 32.2969



44.9152, 48.3856, 82.7588

# Square

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



42.5338, 48.3856, 32.2969



38.1732, 48.3856, 63.5044



49.6266, 48.3856, 80.2306



54.8049, 48.3856, 43.1678



# Rectangle

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



42.5338, 48.3856, 32.2969



37.8773, 48.3856, 45.5235



49.6266, 48.3856, 80.2306



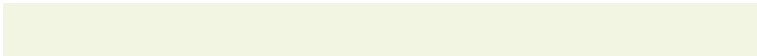
55.1833, 48.3856, 60.5578

# Sweetspot

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



42.5350, 48.3878, 32.2979



82.9504, 89.5712, 84.3058



36.1673, 33.4865, 29.7573



17.6988, 19.2023, 17.5712



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.



42.5350, 48.3878, 32.2979



74.4410, 85.9048, 51.3660



37.3846, 45.7326, 32.0569



10.2016, 11.0584, 10.1734



22.7790, 29.9189, 4.5743



0.9256, 1.1891, 0.1807



# Inverse Universe

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



30.7447, 28.9282, 52.1101



50.0317, 45.6113, 92.3931



35.4193, 31.3381, 52.3289



9.1245, 9.2810, 11.9827



6.4641, 2.6184, 32.5576



0.2900, 0.1215, 1.2770



# Previews

## White Background



This preview shows how the XYZ color 42.5338, 48.3856, 32.2969 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 42.5338, 48.3856, 32.2969 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

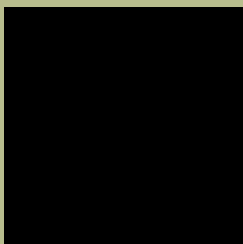
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 42.5338, 48.3856, 32.2969**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.5338, 48.3856, 32.2969.



This preview shows how white text looks on a background with the XYZ color 42.5338, 48.3856,



# 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

42.5338, 48.3856, 32.2969

### Protanopia

45.0894, 48.1508, 31.3437

### Deuteranopia

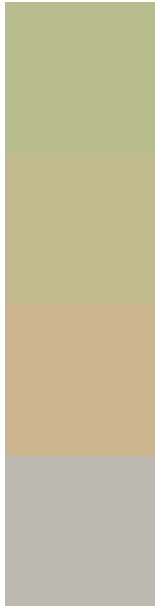
48.9990, 48.0264, 32.6741



## Tritanopia

47.9270, 48.3886, 59.0385

# Trichromacy



## Original Color

42.5338, 48.3856, 32.2969

## Protanomaly

44.2848, 48.3487, 31.8091

## Deuteranomaly

46.3082, 47.8381, 32.3842

## Tritanomaly

45.6790, 48.3973, 48.0084

# Monochromacy



## Original Color

42.5338, 48.3856, 32.2969

## Achromatopsia

44.4628, 46.7784, 50.9417

## Achromatomaly

43.6154, 47.4330, 43.4159

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.5338, 48.3856, 32.2969 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(183, 189, 141)` looks like.

```
.text, #text, p{  
    color:rgb(183, 189, 141)  
}
```

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(183, 189, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 189, 141) }
```

## Border

The CSS property to change the border of an element to XYZ 42.5338, 48.3856, 32.2969 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(183, 189, 141) }
```



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

```
.border{ border-color:rgb(183, 189, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 189, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 189, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 189, 141);  
box-shadow:4px 4px 4px 4px rgb(183, 189,  
141) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.5338, 48.3856, 32.2969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 189, 141) }
```

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

```
.background{ background-color: rgb(183,  
189, 141) }
```

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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