

# Converting Colors

XYZ(43.5014, 48.3341, 33.6648)

Have a look what the booklet for  
XYZ(43.5014, 48.3341, 33.6648)  
contains.

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# Color

**XYZ(43.3747, 48.1498,  
33.7958)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBBB91
RGB	187, 187, 145
RGB Percent	73%, 73%, 57%
CMY	0.2667, 0.2666, 0.4314
CMYK	0.00, 0.00, 0.22, 0.27
HSL	60°, 24%, 65%
HSV	60°, 22%, 73%
XYZ	43.3747, 48.1498, 33.7958
YIQ	182.2120, 13.4820, -13.0620

# Conversions

## Conversions Part 2

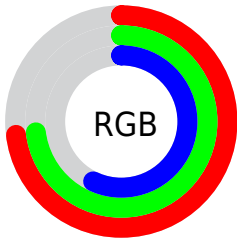
Format	Color
<a href="#">RYB</a>	<a href="#">145, 187, 145</a>
Decimal	<a href="#">12303249</a>
CIELab	<a href="#">74.92, -6.95, 21.34</a>
CIELCh	<a href="#">75, 22.445, 108.025</a>
Yxy	<a href="#">48.1498, 0.3461, 0.3842</a>
Android (android.graphics.Color)	<a href="#">4290493329</a> ( <a href="#">0xFFBBBB91</a> )
YUV	<a href="#">182.2120, -18.3455, 4.1991</a>
Hunter-Lab	<a href="#">69.3901, -9.8549, 19.6964</a>

# Details

The XYZ color **43.3747, 48.1498, 33.7958** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **30.7739, 29.8596, 51.1580**, and the grayscale version is **44.6717, 46.9981, 51.1810**.

A 20% lighter version of the original color is **79.3215, 87.2794, 66.6987**, and **20.2183, 22.8449, 13.9336** is the 20% darker color. If you saturate the color by 10%, you get **42.0499, 47.6215, 26.8163**, and if you desaturate by 10%, it is **44.9394, 48.7774, 42.0275**.

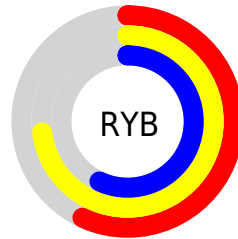
# Distribution



Red (73%)

Green (73%)

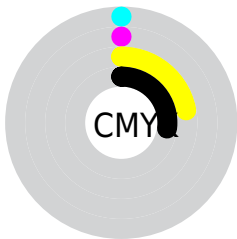
Blue (57%)



Red (57%)

Yellow (73%)

Blue (57%)

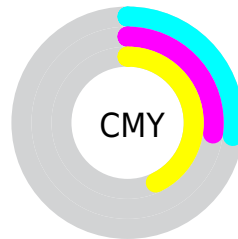


Cyan (0%)

Magenta (0%)

Yellow (22%)

Black (27%)



Cyan (27%)

Magenta (27%)


Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.3747, 48.1498, 33.7958 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 43.3747, 48.1498, 33.7958 by changing the saturation by 10% instead.





 43.3747, 48.1498,  
33.7958

 43.3747, 48.1498,  
33.7958


351.0459,  
379.3856, 333.9619

 30.3750, 33.9455,  
22.4607


 79.5282, 87.4274,  
66.7463

 20.2729, 22.8518,  
13.9942


 103.4127,  
113.2695, 89.1987

 12.7030, 14.4841,  
7.9780


131.6562,  
143.7597, 116.1939

 7.2999, 8.4581,  
3.9933

164.6240,  
179.2824, 148.1506

 3.6984, 4.3895,  
1.6217

202.6816,  
220.2219, 185.4872

 1.5329, 1.8937,  
0.3062

246.1942,

 0.3481, 0.5446,

266.9627, 228.6222

0.0000

295.5271,  
319.8891, 277.9743

■ 0.0000, 0.0000,  
0.0000

■ 43.3747, 48.1498,  
33.7958

■ 43.3747, 48.1498,  
33.7958

■ 42.0499, 47.6215,  
26.8163

■ 44.9394, 48.7774,  
42.0275

■ 40.9496, 47.1813,  
21.0248

■ 46.7511, 49.5021,  
51.5652

■ 40.0626, 46.8264,  
16.3561


■ 48.8212, 50.3302,  
62.4635


■ 39.3749, 46.5513,  
12.7375


■ 51.1591, 51.2654,  
74.7727


■ 38.8712, 46.3498,  
10.0877


■ 53.7742, 52.3115,  
88.5407


 38.5339, 46.2148,  
8.3135


 56.3178, 53.3290,  
101.9330

 38.3416, 46.1378,  
7.3036

 56.3183, 53.3293,  
101.9330

 38.2613, 46.1057,  
6.8827

 56.3188, 53.3295,  
101.9330

 56.3193, 53.3298,  
101.9331

# Harmonies

## Analogous

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



47.4159, 48.1498, 33.3389



43.3747, 48.1498, 33.7958



40.1645, 48.1498, 38.7618

# Triad

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



43.3747, 48.1498, 33.7958



40.7048, 48.1498, 71.0142



53.8961, 48.1498, 57.2397

# Complementary

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



43.3747, 48.1498, 33.7958



30.7739, 29.8596, 51.1580

# 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.



51.8632, 48.1498, 68.9767



43.3747, 48.1498, 33.7958



44.1527, 48.1498, 77.6862

# Square

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



43.3747, 48.1498, 33.7958



38.6875, 48.1498, 59.7085



48.2414, 48.1498, 76.8895



53.6569, 48.1498, 45.7629



# Rectangle

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



43.3747, 48.1498, 33.7958



38.8534, 48.1498, 44.4434



48.2414, 48.1498, 76.8895



53.4510, 48.1498, 61.3135

# Sweetspot

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



43.3760, 48.1519, 33.7968



82.1604, 88.0266, 84.1041



35.7313, 32.8611, 31.2483



18.0500, 19.3677, 18.2943



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.



43.3760, 48.1519, 33.7968



76.4482, 85.7415, 54.0332



38.6089, 45.6944, 33.5737



10.3222, 11.1205, 10.1791



26.3609, 31.7654, 4.7420



1.0326, 1.2443, 0.1857



# Inverse Universe

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



30.7739, 29.8596, 51.1580



49.8528, 47.1374, 90.6723



34.8224, 31.9467, 51.3474



9.0166, 9.2254, 11.9777



6.1804, 2.4722, 32.5443



0.2421, 0.0969, 1.2748



# Previews

## White Background



This preview shows how the XYZ color 43.3747, 48.1498, 33.7958 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

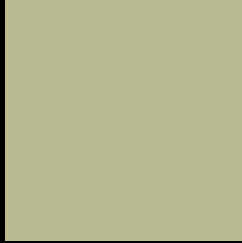
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.3747, 48.1498, 33.7958 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

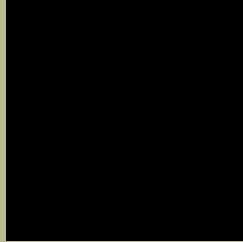
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 43.3747, 48.1498, 33.7958**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.3747, 48.1498, 33.7958.



This preview shows how white text looks on a background with the XYZ color 43.3747, 48.1498,



# 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

43.3747, 48.1498, 33.7958

### Protanopia

44.9395, 48.0304, 33.2878

### Deuteranopia

49.0129, 47.9979, 34.2850



## Tritanopia

48.1639, 47.9201, 58.3408

# Trichromacy



## Original Color

43.3747, 48.1498, 33.7958

## Protanomaly

44.3753, 48.0490, 33.3211

## Deuteranomaly

46.8890, 48.1022, 34.0075

## Tritanomaly

46.3552, 48.1177, 48.4394

# Monochromacy



## Original Color

43.3747, 48.1498, 33.7958

## Achromatopsia

44.4628, 46.7784, 50.9417

## Achromatomaly

44.0691, 47.3359, 44.3502

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.3747, 48.1498, 33.7958 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(187, 187, 145)` looks like.

```
.text, #text, p{  
    color:rgb(187, 187, 145)  
}
```

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(187, 187, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 187, 145) }
```

## Border

The CSS property to change the border of an element to XYZ 43.3747, 48.1498, 33.7958 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(187, 187, 145) }
```



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

```
.border{ border-color:rgb(187, 187, 145) }
```

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

Here you see how a box with a 4 pixel rgb(187, 187, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 187, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 187, 145);  
box-shadow:4px 4px 4px 4px rgb(187, 187,  
145) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.3747, 48.1498, 33.7958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 187, 145) }
```

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

```
.background{ background-color: rgb(187,  
187, 145) }
```

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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