

# Converting Colors

XYZ(43.7729, 47.6937, 37.5406)

Have a look what the booklet for  
XYZ(43.7729, 47.6937, 37.5406)  
contains.

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# **Color**

**XYZ(43.6752, 47.5958,  
37.4568)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BBB99A
RGB	187, 185, 154
RGB Percent	73%, 73%, 60%
CMY	0.2667, 0.2745, 0.3961
CMYK	0.00, 0.01, 0.18, 0.27
HSL	56°, 20%, 67%
HSV	56°, 18%, 73%
XYZ	43.6752, 47.5958, 37.4568
YIQ	182.0640, 11.1430, -9.2170

# Conversions

## Conversions Part 2

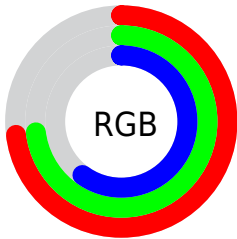
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	156, 187, 154
Decimal	12302746
CIE Lab	74.57, -4.55, 16.02
CIE LCh	75, 16.650, 105.856
Yxy	47.5958, 0.3393, 0.3697
Android (android.graphics.Color)	4290492826 (0xFFBBB99A)
YUV	182.0640, -13.8356, 4.3289
Hunter-Lab	68.9897, -7.7293, 16.1023

# Details

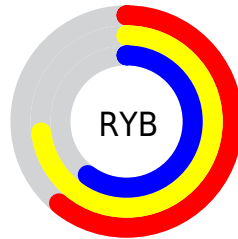
The XYZ color **43.6752, 47.5958, 37.4568** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **34.1844, 34.2341, 51.8201**, and the grayscale version is **44.5680, 46.8891, 51.0622**.

A 20% lighter version of the original color is **79.8026, 86.5193, 72.1684**, and **20.5310, 22.5501, 16.1025** is the 20% darker color. If you saturate the color by 10%, you get **42.0024, 46.5512, 29.8046**, and if you desaturate by 10%, it is **45.5951, 48.7455, 46.3896**.

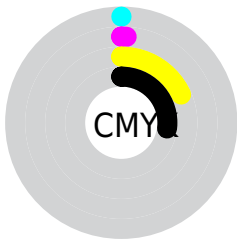
# Distribution



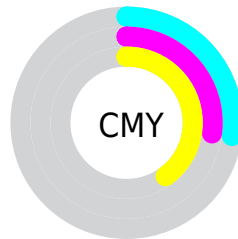
- Red (73%)
- Green (73%)
- Blue (60%)



- Red (61%)
- Yellow (73%)
- Blue (60%)



- Cyan (0%)
- Magenta (1%)
- Yellow (18%)
- Black (27%)




- Cyan (27%)
- Magenta (27%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.6752, 47.5958, 37.4568 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 43.6752, 47.5958, 37.4568 by changing the saturation by 10% instead.





 43.6752, 47.5958,  
37.4568

 43.6752, 47.5958,  
37.4568


352.2558,  
377.1877, 350.5121

 30.6121, 33.5069,  
25.2628


 79.9782, 86.6023,  
72.4689

 20.4540, 22.5150,  
16.0522

 103.9487,  
112.2887, 96.1242

 12.8357, 14.2358,  
9.4063


132.2857,  
142.6097, 124.4369

 7.3917, 8.2849,  
4.9067

165.3546,  
177.9497, 157.8257

 3.7567, 4.2778,  
2.1349

203.5207,  
218.6931, 196.7091

 1.5655, 1.8301,  
0.6364

247.1494,

 0.3697, 0.5058,

265.2243, 241.5056

0.0000

296.6060,  
317.9277, 292.6337

■ 0.0000, 0.0000,  
0.0000

■ 43.6752, 47.5958,  
37.4568

■ 43.6752, 47.5958,  
37.4568

■ 42.0024, 46.5512,  
29.8046

■ 45.5951, 48.7455,  
46.3896

■ 40.5616, 45.6008,  
23.3710

■ 47.7689, 49.9981,  
56.6552

■ 39.3421, 44.7419,  
18.0934

■ 50.2075, 51.3597,  
68.3064

■ 38.3307, 43.9693,  
13.9023

■ 52.9204, 52.8340,  
81.3924

■ 37.5129, 43.2770,  
10.7209

■ 55.9164, 54.4247,  
95.9601

■ 36.8720, 42.6585,  
8.4624

■ 57.3474, 55.3923,  
102.2770

■ 36.3888, 42.1061,  
7.0253

■ 57.5963, 55.8902,  
102.3600

■ 36.0346, 41.6082,  
6.2583

■ 57.8472, 56.3919,  
102.4436

■ 35.9584, 41.4943,  
6.1140

■ 58.1000, 56.8975,  
102.5279

# Harmonies

## Analogous

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



46.6676, 47.5958, 37.3536



43.6752, 47.5958, 37.4568



41.2105, 47.5958, 41.1144

# Triad

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



43.6752, 47.5958, 37.4568



41.3256, 47.5958, 64.6531



51.0866, 47.5958, 55.9809

# Complementary

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



43.6752, 47.5958, 37.4568



34.1844, 34.2341, 51.8201

# 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.



49.5205, 47.5958, 64.2479



43.6752, 47.5958, 37.4568



43.8387, 47.5958, 69.6180

# Square

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



43.6752, 47.5958, 37.4568



39.8956, 47.5958, 56.4864



46.8384, 47.5958, 69.4620



51.0381, 47.5958, 47.4250



# Rectangle

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



43.6752, 47.5958, 37.4568



40.1593, 47.5958, 45.3346



46.8384, 47.5958, 69.4620



50.7286, 47.5958, 58.9043

# Sweetspot

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



43.6765, 47.5979, 37.4578



82.6148, 87.8598, 87.5686



38.0673, 36.0837, 36.5005



18.1346, 19.3142, 19.0088



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.



43.6765, 47.5979, 37.4578



77.0666, 84.5342, 61.7632



40.7708, 46.7242, 37.4423



10.2715, 11.0190, 10.1621



24.7947, 28.6282, 4.2190



0.9863, 1.1516, 0.1703



# Inverse Universe

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



34.1844, 34.2341, 51.8201



57.0386, 56.3373, 92.0693



36.7382, 35.0575, 51.8445



9.0616, 9.3155, 11.9927



6.2840, 2.6796, 32.5789



0.2622, 0.1370, 1.2815



# Previews

## White Background



This preview shows how the XYZ color 43.6752, 47.5958, 37.4568 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 43.6752, 47.5958, 37.4568 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

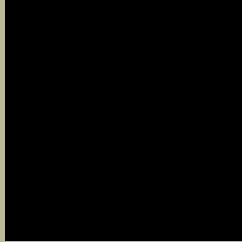
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

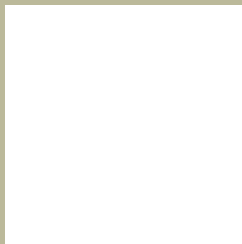
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 43.6752, 47.5958, 37.4568**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.6752, 47.5958, 37.4568.



This preview shows how white text looks on a background with the XYZ color 43.6752, 47.5958,

37.4568.

# 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

43.6752, 47.5958, 37.4568

### Protanopia

44.9314, 47.6362, 36.9636

### Deuteranopia

48.3901, 47.2999, 38.0318



## Tritanopia

47.5959, 47.3417, 57.6682

# Trichromacy



## Original Color

43.6752, 47.5958, 37.4568

## Protanomaly

44.3761, 47.6573, 36.9969

## Deuteranomaly

46.3936, 47.1633, 37.6686

## Tritanomaly

45.8958, 47.2496, 49.3489

# Monochromacy



## Original Color

43.6752, 47.5958, 37.4568

## Achromatopsia

44.4628, 46.7784, 50.9417

## Achromatomaly

44.1470, 47.0359, 45.7818

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.6752, 47.5958, 37.4568 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, 185, 154)` looks like.

```
.text, #text, p{  
    color:rgb(187, 185, 154)  
}
```

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, 185, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 185, 154) }
```

## Border

The CSS property to change the border of an element to XYZ 43.6752, 47.5958, 37.4568 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, 185, 154) }
```



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

```
.border{ border-color:rgb(187, 185, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 185, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 185, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 185, 154);  
box-shadow:4px 4px 4px 4px rgb(187, 185,  
154) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.6752, 47.5958, 37.4568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 185, 154) }
```

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

```
.background{ background-color: rgb(187,  
185, 154) }
```

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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