

# Converting Colors

XYZ(43.6099, 50.6684, 43.9693)

Have a look what the booklet for  
XYZ(43.6099, 50.6684, 43.9693)  
contains.

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# **Color**

**XYZ(43.5034, 50.5909,  
44.0314)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ACC3A7
RGB	172, 195, 167
RGB Percent	67%, 76%, 65%
CMY	0.3255, 0.2353, 0.3451
CMYK	0.12, 0.00, 0.14, 0.24
HSL	109°, 19%, 71%
HSV	109°, 14%, 76%
XYZ	43.5034, 50.5909, 44.0314
YIQ	184.9310, -4.7200, -13.5840

# Conversions

## Conversions Part 2

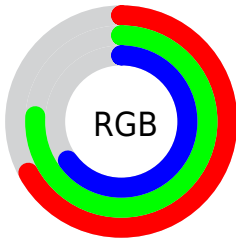
<b>Format</b>	<b>Color</b>
<b>RYB</b>	167, 195, 190
Decimal	11322279
CIELab	76.43, -13.08, 11.46
CIELCh	76, 17.392, 138.763
Yxy	50.5909, 0.3150, 0.3663
Android (android.graphics.Color)	4289512359 (0xFFACC3A7)
YUV	184.9310, -8.8400, -11.3405
Hunter-Lab	71.1273, -15.2972, 13.0856

# Details

The XYZ color **43.5034, 50.5909, 44.0314** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **44.9064, 42.5262, 57.4740**, and the grayscale version is **46.1263, 48.5285, 52.8475**.

A 20% lighter version of the original color is **79.9901, 91.3887, 82.5311**, and **20.3651, 24.2806, 19.8329** is the 20% darker color. If you saturate the color by 10%, you get **38.5288, 48.2207, 35.0873**, and if you desaturate by 10%, it is **49.1765, 53.2927, 54.4294**.

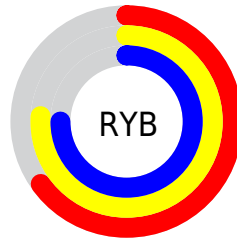
# Distribution



Red (67%)

Green (76%)

Blue (65%)



Red (65%)

Yellow (76%)

Blue (75%)

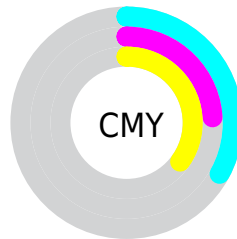


Cyan (12%)

Magenta (0%)

Yellow (14%)

Black (24%)



Cyan (33%)

Magenta (24%)


Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.5034, 50.5909, 44.0314 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 43.5034, 50.5909, 44.0314 by changing the saturation by 10% instead.





 43.5034, 50.5909,  
44.0314


 43.5034, 50.5909,  
44.0314


351.5644,  
388.9722, 378.8815

 30.4765, 35.8831,  
30.3578


 79.7209, 91.0498,  
82.5680

 20.3504, 24.3440,  
19.8560


 103.6423,  
117.5697, 108.2680

 12.7598, 15.5890,  
12.1074

131.9259,  
148.7957, 138.8140

 7.3392, 9.2338,  
6.6934

164.9371,  
185.1123, 174.6245

 3.7233, 4.8940,  
3.1956

203.0411,  
226.9039, 216.1179

 1.5468, 2.1852,  
1.1954

246.6035,

 0.3574, 0.7119,

274.5548, 263.7128

0.0000

295.9895,  
328.4495, 317.8279

■ 0.0000, 0.0000,  
0.0000

■ 43.5034, 50.5909,  
44.0314

■ 43.5034, 50.5909,  
44.0314

■ 38.5288, 48.2207,  
35.0873

■ 49.1765, 53.2927,  
54.4294

■ 34.2214, 46.1630,  
27.5290

■ 55.5696, 56.3315,  
66.3384

■ 30.5536, 44.4065,  
21.2883

■ 62.7083, 59.7207,  
79.8166

■ 27.4944, 42.9369,  
16.2897

■ 70.6158, 63.4711,  
94.9183

■ 25.0100, 41.7386,  
12.4500

■ 77.7459, 66.9657,  
103.4358

■ 23.0633, 40.7944,  
9.6760

■ 78.8061, 67.5122,  
103.4854

■ 21.6123, 40.0851,  
7.8600

■ 20.6087, 39.5885,  
6.8717

■ 20.2029, 39.3863,  
6.5375

# Harmonies

## Analogous

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



46.0879, 50.5909, 39.7122



43.5034, 50.5909, 44.0314



42.1693, 50.5909, 51.6447

# Triad

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



43.5034, 50.5909, 44.0314



46.8684, 50.5909, 74.7351



54.2976, 50.5909, 49.4851

# Complementary

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



43.5034, 50.5909, 44.0314



44.9064, 42.5262, 57.4740

# 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.



54.5299, 50.5909, 58.6746



43.5034, 50.5909, 44.0314



50.1392, 50.5909, 73.9868

# Square

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



43.5034, 50.5909, 44.0314



44.0524, 50.5909, 69.7904



52.9778, 50.5909, 67.8488



52.3567, 50.5909, 42.6054



# Rectangle

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



43.5034, 50.5909, 44.0314



42.1260, 50.5909, 57.8784



52.9778, 50.5909, 67.8488



54.5813, 50.5909, 52.3828

# Sweetspot

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



43.5048, 50.5931, 44.0325



88.3938, 95.5966, 98.0750



47.8675, 51.1637, 43.9127



19.1763, 20.8486, 21.1429



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

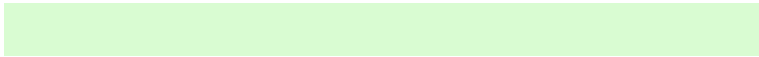


# Same Dimension

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



43.5048, 50.5931, 44.0325



75.2000, 89.3154, 73.9446



43.2763, 50.3773, 48.4494



10.1084, 11.3434, 10.7186



13.1815, 25.6242, 4.2512



0.6221, 1.1342, 0.1861



# Inverse Universe

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



44.9064, 42.5262, 57.4740



78.1561, 72.2944, 102.3047



45.2034, 42.7917, 52.4079



10.3152, 10.1537, 12.7010



15.9132, 7.4640, 34.1586



0.7348, 0.3468, 1.4781



# Previews

## White Background



This preview shows how the XYZ color 43.5034, 50.5909, 44.0314 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

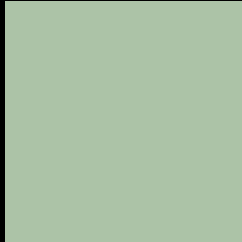
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.5034, 50.5909, 44.0314 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

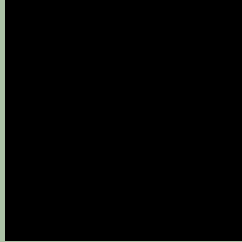
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 43.5034, 50.5909, 44.0314

## Background



This preview shows how black text looks on a background with the XYZ color 43.5034, 50.5909, 44.0314.



This preview shows how white text looks on a background with the XYZ color 43.5034, 50.5909,



# 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

43.5034, 50.5909, 44.0314

### Protanopia

47.6200, 50.4811, 41.8843

### Deuteranopia

51.2201, 50.0962, 45.0001



## Tritanopia

47.7930, 50.6997, 65.0247

# Trichromacy



## Original Color

43.5034, 50.5909, 44.0314

## Protanomaly

46.0707, 50.6333, 42.4670

## Deuteranomaly

48.0090, 49.9882, 44.6544

## Tritanomaly

46.1581, 50.6910, 56.6418

# Monochromacy



## Original Color

43.5034, 50.5909, 44.0314

## Achromatopsia

46.1135, 48.5150, 52.8328

## Achromatomaly

45.0559, 49.3128, 49.2631

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.5034, 50.5909, 44.0314 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(172, 195, 167)` looks like.

```
.text, #text, p{  
    color:rgb(172, 195, 167)  
}
```

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(172, 195, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 195, 167) }
```

## Border

The CSS property to change the border of an element to XYZ 43.5034, 50.5909, 44.0314 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(172, 195, 167) }
```



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

```
.border{ border-color:rgb(172, 195, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 195, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 195, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 195, 167);  
box-shadow:4px 4px 4px 4px rgb(172, 195,  
167) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.5034, 50.5909, 44.0314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 195, 167) }
```

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

```
.background{ background-color: rgb(172,  
195, 167) }
```

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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