

# Converting Colors

XYZ(43.0523, 44.8070, 46.2071)

Have a look what the booklet for  
XYZ(43.0523, 44.8070, 46.2071)  
contains.

<b>XYZ(43.0888, 44.9641, 46.4523)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(43.0888, 44.9641,  
46.4523)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7B2AE
RGB	183, 178, 174
RGB Percent	72%, 70%, 68%
CMY	0.2823, 0.3019, 0.3176
CMYK	0.00, 0.03, 0.05, 0.28
HSL	27°, 6%, 70%
HSV	27°, 5%, 72%
XYZ	43.0888, 44.9641, 46.4523
YIQ	179.0390, 4.2640, -0.1840

# Conversions

## Conversions Part 2

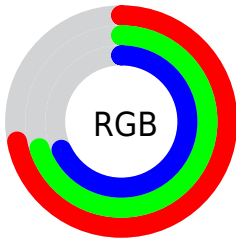
Format	Color
R <sub>Y</sub> B	183, 181, 174
Decimal	12038830
CIE Lab	72.87, 1.05, 2.66
CIE LCh	73, 2.859, 68.495
Yxy	44.9641, 0.3204, 0.3343
Android (android.graphics.Color)	4290228910 (0xFFB7B2AE)
YUV	179.0390, -2.4842, 3.4738
Hunter-Lab	67.0553, -2.6451, 5.8658

# Details

The XYZ color **43.0888, 44.9641, 46.4523** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **42.1228, 44.6569, 51.1997**, and the grayscale version is **42.8808, 45.1140, 49.1291**.

A 20% lighter version of the original color is **79.1623, 82.8535, 85.9488**, and **20.0524, 20.8182, 21.3738** is the 20% darker color. If you saturate the color by 10%, you get **39.4782, 40.4057, 37.0383**, and if you desaturate by 10%, it is **47.0948, 49.9231, 57.1984**.

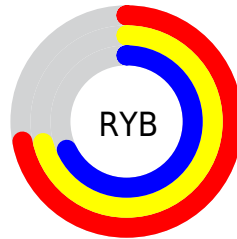
# Distribution



Red (72%)

Green (70%)

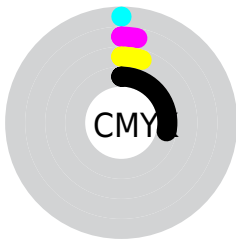
Blue (68%)



Red (72%)

Yellow (71%)

Blue (68%)

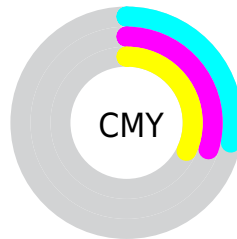


Cyan (0%)

Magenta (3%)

Yellow (5%)

Black (28%)



Cyan (28%)

Magenta (30%)

Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.0888, 44.9641, 46.4523 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 43.0888, 44.9641, 46.4523 by changing the saturation by 10% instead.



■ 43.0888, 44.9641,  
46.4523

■ 43.0888, 44.9641,  
46.4523

349.8922,  
366.6281, 388.9544

■ 30.1496, 31.4291,  
32.2516

■ 79.0997, 82.6665,  
86.2369

■ 20.1008, 20.9259,  
21.2874

102.9022,  
107.6028, 112.6579

■ 12.5770, 13.0698,  
13.1409

131.0564,  
137.1083, 143.9895

■ 7.2129, 7.4766,  
7.3938

163.9278,  
171.5675, 180.6501

■ 3.6431, 3.7619,  
3.6274

201.8818,  
211.3646, 223.0584

■ 1.5023, 1.5413,  
1.4233

245.2835,

■ 0.3274, 0.3175,

256.8842, 271.6328

0.1598

294.4986,  
308.5106, 326.7920

0.0000, 0.0000,  
0.0000

43.0888, 44.9641,  
46.4523

43.0888, 44.9641,  
46.4523

39.4782, 40.4057,  
37.0383

47.0948, 49.9231,  
57.1984

36.2461, 36.2317,  
28.9011

51.5047, 55.2868,  
69.3232

33.3802, 32.4332,  
21.9855

56.3316, 61.0667,  
82.8747

30.8657, 28.9988,  
16.2314

61.5867, 67.2720,  
97.8977

28.6869, 25.9165,  
11.5734

65.5432, 73.2166,  
105.2855

■ 26.8266, 23.1735,  
7.9395

■ 68.4339, 78.9979,  
106.2490

■ 25.2659, 20.7559,  
5.2492

■ 71.4918, 85.1137,  
107.2683

■ 23.9831, 18.6486,  
3.4092

■ 73.3386, 88.8074,  
107.8839

■ 22.9530, 16.8346,  
2.3067

# Harmonies

## Analogous

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



43.4904, 44.9641, 47.2720



43.0888, 44.9641, 46.4523



42.5958, 44.9641, 46.2973

# Triad

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



43.0888, 44.9641, 46.4523



41.7975, 44.9641, 49.3643



43.3355, 44.9641, 51.1348

# Complementary

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



43.0888, 44.9641, 46.4523



42.1228, 44.6569, 51.1997

# 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.



42.8786, 44.9641, 51.7193



43.0888, 44.9641, 46.4523



41.9924, 44.9641, 50.6841

# Square

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



43.0888, 44.9641, 46.4523



41.8528, 44.9641, 47.9604



42.3872, 44.9641, 51.5528



43.6336, 44.9641, 49.9698



# Rectangle

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



43.0888, 44.9641, 46.4523



42.2821, 44.9641, 46.5888



42.3872, 44.9641, 51.5528



43.1952, 44.9641, 51.4067

# Sweetspot

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



43.0901, 44.9661, 46.4533



79.8861, 83.9108, 90.4155



42.8118, 43.5987, 48.8604



17.6526, 18.5435, 19.9921



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

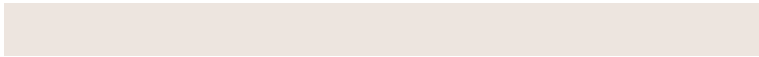


# Same Dimension

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



43.0901, 44.9661, 46.4533



76.3725, 79.5312, 81.0820



43.9789, 46.7438, 46.7496



9.5571, 9.9445, 10.0882



15.7635, 11.3033, 1.3509



0.6176, 0.5223, 0.0683



# Inverse Universe

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



42.1228, 44.6569, 51.1997



74.2407, 78.8500, 91.5424



41.2556, 42.9227, 50.9107



9.2709, 9.8531, 11.4926



9.3189, 9.0976, 32.5179



0.3892, 0.4421, 1.1666



# Previews

## White Background



This preview shows how the XYZ color 43.0888, 44.9641, 46.4523 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 43.0888, 44.9641, 46.4523 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

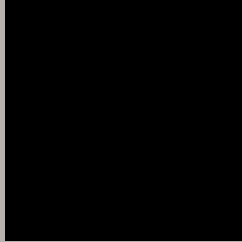
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

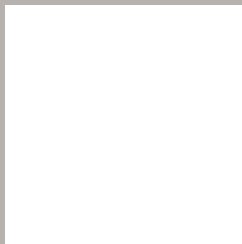
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 43.0888, 44.9641, 46.4523**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.0888, 44.9641, 46.4523.



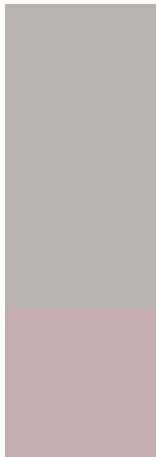
This preview shows how white text looks on a background with the XYZ color 43.0888, 44.9641,



# 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

43.0888, 44.9641, 46.4523

### Protanopia

43.0888, 44.9641, 46.4523

### Deuteranopia

45.7074, 44.8526, 46.8058



## Tritanopia

44.7182, 45.0391, 54.4806

# Trichromacy



## Original Color

43.0888, 44.9641, 46.4523

## Protanomaly

43.0888, 44.9641, 46.4523

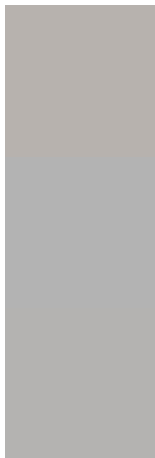
## Deuteranomaly

44.8061, 44.9616, 46.8744

## Tritanomaly

44.1410, 45.0953, 51.7252

# Monochromacy



## Original Color

43.0888, 44.9641, 46.4523

## Achromatopsia

42.8472, 45.0786, 49.0906

## Achromatomaly

42.8783, 45.1178, 48.0437

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.0888, 44.9641, 46.4523 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, 178, 174) looks like.

```
.text, #text, p{  
    color:rgb(183, 178, 174)  
}
```

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, 178, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 178, 174) }
```

## Border

The CSS property to change the border of an element to XYZ 43.0888, 44.9641, 46.4523 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, 178, 174) }
```



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

```
.border{ border-color:rgb(183, 178, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 178, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 178, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 178, 174);  
box-shadow:4px 4px 4px 4px rgb(183, 178,  
174) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.0888, 44.9641, 46.4523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 178, 174) }
```

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

```
.background{ background-color: rgb(183,  
178, 174) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor