

# Converting Colors

XYZ(44.6377, 43.8766, 40.2988)

Have a look what the booklet for  
XYZ(44.6377, 43.8766, 40.2988)  
contains.

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# Color

**XYZ(44.6377, 43.8766,  
40.2988)**

# Conversions

## Conversions Part 1

| Format      | Color                     |
|-------------|---------------------------|
| Hex         | C7ABA2                    |
| RGB         | 199, 171, 162             |
| RGB Percent | 78%, 67%, 64%             |
| CMY         | 0.2196, 0.3294, 0.3647    |
| CMYK        | 0.00, 0.14, 0.19, 0.22    |
| HSL         | 15°, 25%, 71%             |
| HSV         | 15°, 19%, 78%             |
| XYZ         | 44.6377, 43.8766, 40.2988 |
| YIQ         | 178.3460, 19.5770, 3.1370 |

# Conversions

## Conversions Part 2

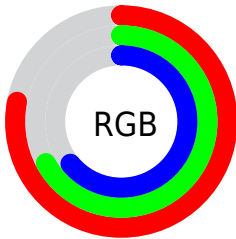
| Format                              | Color                         |
|-------------------------------------|-------------------------------|
| R <sub>Y</sub> B                    | 199, 174, 162                 |
| Decimal                             | 13085602                      |
| CIE Lab                             | 72.15, 8.71, 8.38             |
| CIE LCh                             | 72, 12.087, 43.895            |
| Yxy                                 | 43.8766, 0.3465,<br>0.3406    |
| Android<br>(android.graphics.Color) | 4291275682<br>(0xFFC7ABA2)    |
| YUV                                 | 178.3460, -8.0586,<br>18.1136 |
| Hunter-Lab                          | 66.2394, 4.3694,<br>10.2967   |

# Details

The XYZ color **44.6377, 43.8766, 40.2988** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **43.6222, 48.6306, 61.1207**, and the grayscale version is **42.5353, 44.7504, 48.7332**.

A 20% lighter version of the original color is **80.9607, 80.6625, 76.9480**, and **21.0884, 20.3392, 17.5662** is the 20% darker color. If you saturate the color by 10%, you get **40.3231, 37.8576, 30.8130**, and if you desaturate by 10%, it is **49.5587, 50.6596, 51.3688**.

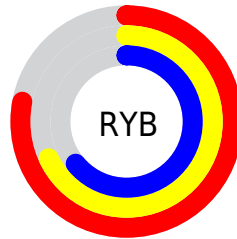
# Distribution



Red (78%)

Green (67%)

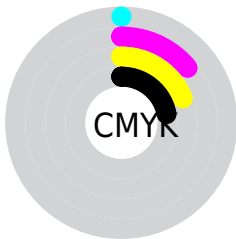
Blue (64%)



Red (78%)

Yellow (68%)

Blue (64%)

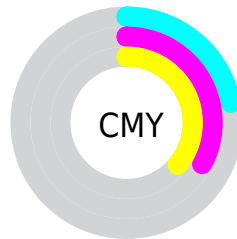


Cyan (0%)

Magenta (14%)

Yellow (19%)

Black (22%)



Cyan (22%)

Magenta (33%)


Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.6377, 43.8766, 40.2988 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 44.6377, 43.8766, 40.2988 by changing the saturation by 10% instead.




 44.6377, 43.8766,  
40.2988


 44.6377, 43.8766,  
40.2988


356.1127,  
362.2045, 362.9708

 31.3722, 30.5735,  
27.4560


 81.4169, 81.0320,  
76.8604

 21.0357, 20.2743,  
17.6806


 105.6613,  
105.6531, 101.4162

 13.2627, 12.5946,  
10.5538


134.2961,  
134.8157, 130.7136

 7.6879, 7.1500,  
5.6573

167.6866,  
168.9042, 165.1709

 3.9460, 3.5561,  
2.5724

206.1981,  
208.3029, 205.2067

 1.6716, 1.4285,  
0.8782

250.1961,

 0.4384, 0.2376,

253.3962, 251.2396

0.0000

300.0458,  
304.5686, 303.6882

0.0000, 0.0000,  
0.0000

44.6377, 43.8766,  
40.2988

44.6377, 43.8766,  
40.2988

40.3231, 37.8576,  
30.8130

49.5587, 50.6596,  
51.3688

36.5874, 32.5697,  
22.8360

55.1051, 58.2262,  
64.0884

33.4061, 27.9864,  
16.2901

61.2995, 66.6027,  
78.5224

30.7516, 24.0774,  
11.0895

68.1622, 75.8124,  
94.7317

28.5938, 20.8099,  
7.1395

74.6480, 85.4516,  
107.1672

■ 26.8994, 18.1482,  
4.3325

■ 77.3633, 90.8822,  
108.0723

■ 25.6301, 16.0531,  
2.5427

■ 24.7327, 14.4765,  
1.5711

■ 24.6278, 14.2911,  
1.4604

# Harmonies

## Analogous

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



45.6875, 43.8766, 45.0887



44.6377, 43.8766, 40.2988



42.8172, 43.8766, 37.6384

# Triad

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



44.6377, 43.8766, 40.2988



37.9952, 43.8766, 44.6815



42.6665, 43.8766, 59.7154

# Complementary

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



44.6377, 43.8766, 40.2988



43.6222, 48.6306, 61.1207

# 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.



40.6091, 43.8766, 59.5835



44.6377, 43.8766, 40.2988



37.9579, 43.8766, 50.5641

# Square

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



44.6377, 43.8766, 40.2988



39.0043, 43.8766, 40.0220



38.9006, 43.8766, 56.1211



44.5243, 43.8766, 56.4678



# Rectangle

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



44.6377, 43.8766, 40.2988



41.4336, 43.8766, 37.2804



38.9006, 43.8766, 56.1211



41.9744, 43.8766, 60.0726

# Sweetspot

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



44.6389, 43.8786, 40.2997



89.1010, 91.8882, 95.2447



45.8084, 41.7171, 54.5638



18.9380, 19.4855, 20.0822



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.



44.6389, 43.8786, 40.2997



75.2189, 72.7422, 64.0482



48.3015, 51.2038, 41.5206



10.8400, 11.0492, 11.1241



15.8944, 9.3061, 0.9585



0.8114, 0.5583, 0.0650

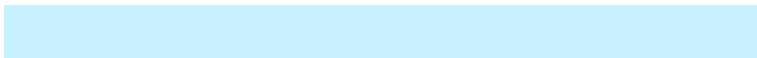


# Inverse Universe

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



43.6222, 48.6306, 61.1207



73.1351, 82.4654, 106.6705



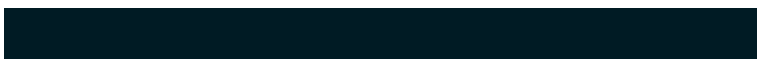
39.9368, 41.2598, 59.8922



10.7196, 11.6133, 13.5941



13.7722, 16.9382, 37.2879



0.7061, 0.9100, 1.7836



# Previews

## White Background



This preview shows how the XYZ color 44.6377, 43.8766, 40.2988 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 44.6377, 43.8766, 40.2988 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

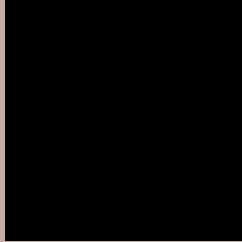
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 44.6377, 43.8766, 40.2988**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.6377, 43.8766, 40.2988.



This preview shows how white text looks on a background with the XYZ color 44.6377, 43.8766,



# 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

44.6377, 43.8766, 40.2988

### Protanopia

41.8453, 43.8346, 41.8527

### Deuteranopia

44.9039, 44.0138, 40.3112



## Tritanopia

46.4305, 43.7590, 49.7152

# Trichromacy



## Original Color

44.6377, 43.8766, 40.2988

## Protanomaly

42.8232, 43.7713, 41.3136

## Deuteranomaly

44.9039, 44.0138, 40.3112

## Tritanomaly

45.6474, 43.7113, 46.0756

# Monochromacy



## Original Color

44.6377, 43.8766, 40.2988

## Achromatopsia

42.3164, 44.5201, 48.4824

## Achromatomaly

43.0261, 44.0776, 45.2698

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.6377, 43.8766, 40.2988 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(199, 171, 162)` looks like.

```
.text, #text, p{  
    color:rgb(199, 171, 162)  
}
```

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(199, 171, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 171, 162) }
```

## Border

The CSS property to change the border of an element to XYZ 44.6377, 43.8766, 40.2988 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(199, 171, 162) }
```



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

```
.border{ border-color:rgb(199, 171, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 171, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 171, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 171, 162);  
box-shadow:4px 4px 4px 4px rgb(199, 171,  
162) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.6377, 43.8766, 40.2988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 171, 162) }
```

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

```
.background{ background-color: rgb(199,  
171, 162) }
```

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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