

# Converting Colors

XYZ(43.0333, 41.6370, 40.6077)

Have a look what the booklet for  
XYZ(43.0333, 41.6370, 40.6077)  
contains.

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# Color

**XYZ(43.0120, 41.6525,  
40.4231)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4A6A3
RGB	196, 166, 163
RGB Percent	77%, 65%, 64%
CMY	0.2314, 0.3490, 0.3608
CMYK	0.00, 0.15, 0.17, 0.23
HSL	5°, 22%, 70%
HSV	5°, 17%, 77%
XYZ	43.0120, 41.6525, 40.4231
YIQ	174.6280, 18.8430, 5.4270

# Conversions

## Conversions Part 2

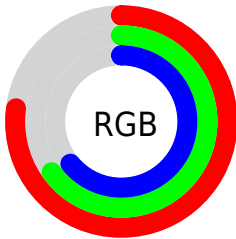
Format	Color
R <sub>Y</sub> B	196, 166, 163
Decimal	12887715
CIE Lab	70.63, 10.46, 5.62
CIE LCh	71, 11.878, 28.239
Yxy	41.6525, 0.3439, 0.3330
Android (android.graphics.Color)	4291077795 (0xFFC4A6A3)
YUV	174.6280, -5.7326, 18.7432
Hunter-Lab	64.5387, 6.0189, 8.0415

# Details

The XYZ color **43.0120, 41.6525, 40.4231** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **44.1377, 49.9109, 59.5324**, and the grayscale version is **40.5781, 42.6913, 46.4909**.

A 20% lighter version of the original color is **79.0194, 77.6575, 77.1543**, and **20.0419, 18.9331, 17.6371** is the 20% darker color. If you saturate the color by 10%, you get **38.3730, 34.9702, 30.8737**, and if you desaturate by 10%, it is **48.3742, 49.3447, 51.5574**.

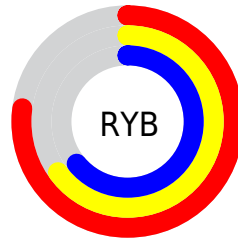
# Distribution



Red (77%)

Green (65%)

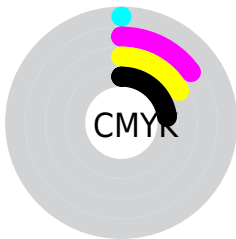
Blue (64%)



Red (77%)

Yellow (65%)

Blue (64%)

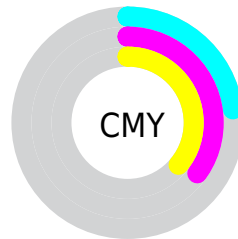


Cyan (0%)

Magenta (15%)

Yellow (17%)

Black (23%)



Cyan (23%)

Magenta (35%)


Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.0120, 41.6525, 40.4231 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 43.0120, 41.6525, 40.4231 by changing the saturation by 10% instead.





 43.0120, 41.6525,  
40.4231


 43.0120, 41.6525,  
40.4231


349.5818,  
353.0404, 363.5086

 30.0891, 28.8293,  
27.5523


 78.9846, 77.6734,  
77.0515

 20.0546, 18.9517,  
17.7523


 102.7649,  
101.6399, 101.6461

 12.5433, 11.6354,  
10.6047


130.8952,  
130.0897, 130.9858

 7.1896, 6.4959,  
5.6909

163.7406,  
163.4070, 165.4891

 3.6283, 3.1489,  
2.5923

201.6667,  
201.9763, 205.5745

 1.4941, 1.2100,  
0.8885

245.0386,

 0.3218, 0.0698,

246.1821, 251.6605

0.0000

294.2219,  
296.4086, 304.1657

■ 0.0000, 0.0000,  
0.0000

■ 43.0120, 41.6525,  
40.4231

■ 43.0120, 41.6525,  
40.4231

■ 38.3730, 34.9702,  
30.8737

■ 48.3742, 49.3447,  
51.5574

■ 34.4229, 29.2506,  
22.8345

■ 54.4851, 58.0806,  
64.3412

■ 31.1298, 24.4509,  
16.2291

■ 61.3732, 67.8989,  
78.8389

■ 28.4578, 20.5231,  
10.9729

■ 69.0645, 78.8352,  
95.1105

■ 26.3678, 17.4146,  
6.9728

■ 76.5751, 90.4758,  
108.0354

■ 24.8160, 15.0674,  
4.1236

■ 23.7524, 13.4157,  
2.3032

■ 23.1150, 12.3813,  
1.3496

■ 22.9788, 12.1633,  
1.1366

# Harmonies

## Analogous

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



43.4871, 41.6525, 45.6857



43.0120, 41.6525, 40.4231



41.6116, 41.6525, 36.7607

# Triad

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



43.0120, 41.6525, 40.4231



36.4632, 41.6525, 39.8922



39.4735, 41.6525, 57.0500

# Complementary

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



43.0120, 41.6525, 40.4231



44.1377, 49.9109, 59.5324

# 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.



37.6339, 41.6525, 55.1884



43.0120, 41.6525, 40.4231



35.9320, 41.6525, 45.0209

# Square

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



43.0120, 41.6525, 40.4231



37.8286, 41.6525, 36.4724



36.3535, 41.6525, 50.6672



41.4041, 41.6525, 55.5682



# Rectangle

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



43.0120, 41.6525, 40.4231



40.3645, 41.6525, 35.5628



36.3535, 41.6525, 50.6672



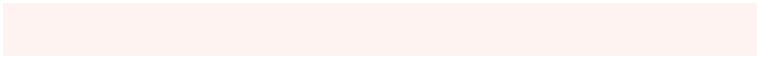
38.8244, 41.6525, 56.7916

# Sweetspot

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



43.0131, 41.6544, 40.4240



89.4782, 92.0330, 97.2495



45.5161, 41.7921, 56.2665



18.9905, 19.4677, 20.4783



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.



43.0131, 41.6544, 40.4240



74.8518, 71.0450, 66.8947



46.1554, 47.9390, 41.4714



10.1453, 10.2220, 10.5002



14.7930, 7.8718, 0.7397



0.6648, 0.3913, 0.0405

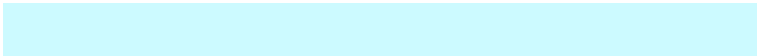


# Inverse Universe

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



44.1377, 49.9109, 59.5324



77.2489, 88.6514, 107.6477



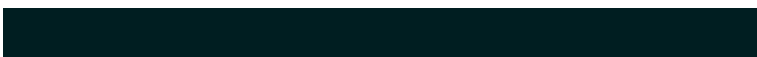
40.7414, 43.1182, 58.4002



10.2876, 11.2666, 12.9173



16.6854, 23.1274, 37.1412



0.7443, 1.0459, 1.6125



# Previews

## White Background



This preview shows how the XYZ color 43.0120, 41.6525, 40.4231 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

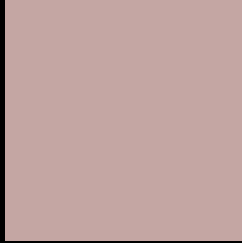
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.0120, 41.6525, 40.4231 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

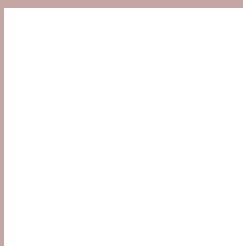
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 43.0120, 41.6525, 40.4231**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.0120, 41.6525, 40.4231.



This preview shows how white text looks on a background with the XYZ color 43.0120, 41.6525,



# 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

43.0120, 41.6525, 40.4231

### Protanopia

39.9956, 41.7232, 42.0218

### Deuteranopia

42.4219, 41.6192, 40.4478



## Tritanopia

44.5000, 41.7310, 47.3045

# Trichromacy



## Original Color

43.0120, 41.6525, 40.4231

## Protanomaly

41.1738, 41.7804, 41.4916

## Deuteranomaly

42.6777, 41.7511, 40.4597

## Tritanomaly

43.9275, 41.7591, 44.7748

# Monochromacy



## Original Color

43.0120, 41.6525, 40.4231

## Achromatopsia

40.7470, 42.8690, 46.6844

## Achromatomaly

41.6316, 42.5126, 44.5396

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.0120, 41.6525, 40.4231 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(196, 166, 163)` looks like.

```
.text, #text, p{  
    color:rgb(196, 166, 163)  
}
```

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(196, 166, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 166, 163) }
```

## Border

The CSS property to change the border of an element to XYZ 43.0120, 41.6525, 40.4231 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(196, 166, 163) }
```



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

```
.border{ border-color:rgb(196, 166, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 166, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 166, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 166, 163);  
box-shadow:4px 4px 4px 4px rgb(196, 166,  
163) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.0120, 41.6525, 40.4231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 166, 163) }
```

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

```
.background{ background-color: rgb(196,  
166, 163) }
```

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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