

# Converting Colors

XYZ(48.7233, 49.6753, 60.9923)

Have a look what the booklet for  
XYZ(48.7233, 49.6753, 60.9923)  
contains.

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# Color

**XYZ(48.6440, 49.6403,  
61.0505)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDB9C7
RGB	189, 185, 199
RGB Percent	74%, 73%, 78%
CMY	0.2588, 0.2745, 0.2196
CMYK	0.05, 0.07, 0.00, 0.22
HSL	257°, 11%, 75%
HSV	257°, 7%, 78%
XYZ	48.6440, 49.6403, 61.0505
YIQ	187.7920, -2.1100, 5.2020

# Conversions

## Conversions Part 2

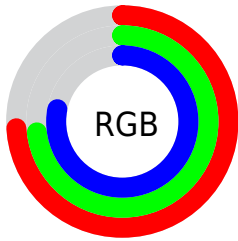
Format	Color
R <sub>Y</sub> B	189, 185, 199
Decimal	12433863
CIE Lab	75.85, 4.05, -6.56
CIE LCh	76, 7.710, 301.677
Yxy	49.6403, 0.3053, 0.3115
Android (android.graphics.Color)	4290623943 (0xFFBDB9C7)
YUV	187.7920, 5.5255, 1.0594
Hunter-Lab	70.4559, -0.0582, -2.0561

# Details

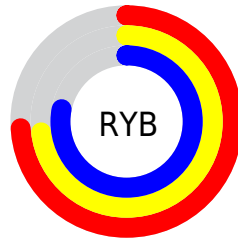
The XYZ color **48.6440, 49.6403, 61.0505** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **51.6880, 55.9531, 53.9773**, and the grayscale version is **47.6537, 50.1354, 54.5974**.

A 20% lighter version of the original color is **87.1615, 89.5431, 107.2974**, and **23.5154, 23.7811, 30.1389** is the 20% darker color. If you saturate the color by 10%, you get **41.4136, 40.1605, 59.6026**, and if you desaturate by 10%, it is **56.8058, 60.4679, 62.7110**.

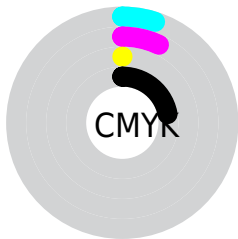
# Distribution



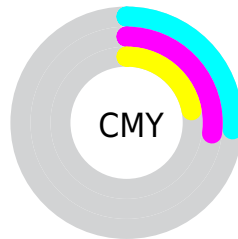
- Red (74%)
- Green (73%)
- Blue (78%)



- Red (74%)
- Yellow (73%)
- Blue (78%)



- Cyan (5%)
- Magenta (7%)
- Yellow (0%)
- Black (22%)



- Cyan (26%)
- Magenta (27%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.6440, 49.6403, 61.0505 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 48.6440, 49.6403, 61.0505 by changing the saturation by 10% instead.



■ 48.6440, 49.6403,  
61.0505

■ 48.6440, 49.6403,  
61.0505

371.8794,  
385.2576, 446.3708

■ 34.5505, 35.1277,  
43.8351

■ 87.3664, 89.6417,  
107.9103

■ 23.4817, 23.7612,  
30.2047

112.7260,  
115.8993, 138.3918

■ 15.0723, 15.1566,  
19.7406

142.5718,  
146.8406, 174.1324

■ 8.9568, 8.9294,  
12.0244

177.2690,  
182.8501, 215.5506

■ 4.7699, 4.6951,  
6.6376

217.1830,  
224.3122, 263.0650

■ 2.1462, 2.0695,  
3.1615

262.6791,

■ 0.7142, 0.6474,

271.6112, 317.0942

1.1777

314.1228,  
325.1315, 378.0566

■ 0.0000, 0.0000,  
0.0000

■ 48.6440, 49.6403,  
61.0505

■ 48.6440, 49.6403,  
61.0505

■ 41.4136, 40.1605,  
59.6026

■ 56.8058, 60.4679,  
62.7110

■ 35.0762, 31.9689,  
58.3554

■ 65.9267, 72.6873,  
64.5889

■ 29.5972, 25.0109,  
57.3012

■ 76.0388, 86.3480,  
66.6927

■ 24.9379, 19.2253,  
56.4300

■ 84.0301, 95.2133,  
67.9827

■ 21.0566, 14.5457,  
55.7313

■ 87.3089, 96.9036,  
68.1361

■ 17.9077, 10.8987,  
55.1934

■ 15.4402, 8.2020,  
54.8029

■ 13.5960, 6.3600,  
54.5446

■ 12.3001, 5.2452,  
54.3977

# Harmonies

## Analogous

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



47.2623, 49.6403, 62.3313



48.6440, 49.6403, 61.0505



49.6500, 49.6403, 57.8826

# Triad

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



48.6440, 49.6403, 61.0505



48.5016, 49.6403, 47.3940



44.4795, 49.6403, 54.2812

# Complementary

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



48.6440, 49.6403, 61.0505



51.6880, 55.9531, 53.9773

# 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.



44.7964, 49.6403, 50.3902



48.6440, 49.6403, 61.0505



47.1010, 49.6403, 46.5365

# Square

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



48.6440, 49.6403, 61.0505



49.5666, 49.6403, 50.0093



45.7488, 49.6403, 47.6059



44.8744, 49.6403, 58.3024



# Rectangle

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



48.6440, 49.6403, 61.0505



49.9620, 49.6403, 55.2007



45.7488, 49.6403, 47.6059



44.5063, 49.6403, 52.9151

# Sweetspot

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



48.6454, 49.6424, 61.0516



92.1167, 96.1045, 108.3027



49.8407, 53.4846, 61.7302



19.7475, 20.6111, 23.1875



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.



48.6454, 49.6424, 61.0516



83.7236, 85.0076, 106.6031



50.4156, 50.5550, 61.1344



10.3364, 10.4317, 13.3862



7.7828, 3.2464, 34.9608



0.4415, 0.1913, 1.6588



# Inverse Universe

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



50.7543, 50.7825, 58.7594



87.9601, 87.2983, 101.9799



49.9293, 55.0465, 53.8950



10.9490, 10.7630, 12.7146



18.3326, 9.0826, 17.4931



0.8981, 0.4421, 0.9866



# Previews

## White Background



This preview shows how the XYZ color 48.6440, 49.6403, 61.0505 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 48.6440, 49.6403, 61.0505 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

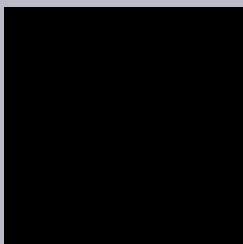
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

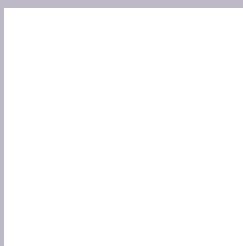
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 48.6440, 49.6403, 61.0505**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.6440, 49.6403, 61.0505.



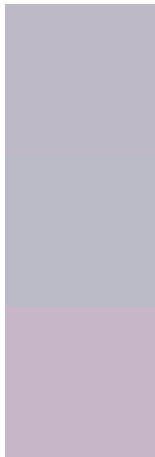
This preview shows how white text looks on a background with the XYZ color 48.6440, 49.6403,



# 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

48.6440, 49.6403, 61.0505

### Protanopia

48.3612, 49.8061, 61.0975

### Deuteranopia

50.5024, 49.3600, 61.5092



## Tritanopia

48.7606, 49.6869, 61.6641

# Trichromacy



## Original Color

48.6440, 49.6403, 61.0505

## Protanomaly

48.6067, 49.9327, 61.1090

## Deuteranomaly

49.6590, 49.2281, 61.5283

## Tritanomaly

48.7606, 49.6869, 61.6641

# Monochromacy



## Original Color

48.6440, 49.6403, 61.0505

## Achromatopsia

47.7994, 50.2886, 54.7643

## Achromatomaly

48.0238, 50.0378, 56.9963

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.6440, 49.6403, 61.0505 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(189, 185, 199)` looks like.

```
.text, #text, p{  
    color:rgb(189, 185, 199)  
}
```

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(189, 185, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 185, 199) }
```

## Border

The CSS property to change the border of an element to XYZ 48.6440, 49.6403, 61.0505 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(189, 185, 199) }
```



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

```
.border{ border-color:rgb(189, 185, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 185, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 185, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 185, 199); box-shadow:4px 4px 4px 4px rgb(189, 185, 199) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.6440, 49.6403, 61.0505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 185, 199) }
```

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

```
.background{ background-color: rgb(189,  
185, 199) }
```

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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