

# Converting Colors

XYZ(48.8936, 57.3936, 39.8159)

Have a look what the booklet for  
XYZ(48.8936, 57.3936, 39.8159)  
contains.

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# Color

**XYZ(48.8111, 57.2343,  
39.9272)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BCCE9C
RGB	188, 206, 156
RGB Percent	74%, 81%, 61%
CMY	0.2627, 0.1921, 0.3882
CMYK	0.09, 0.00, 0.24, 0.19
HSL	82°, 34%, 71%
HSV	82°, 24%, 81%
XYZ	48.8111, 57.2343, 39.9272
YIQ	194.9180, 5.3220, -19.3660

# Conversions

## Conversions Part 2

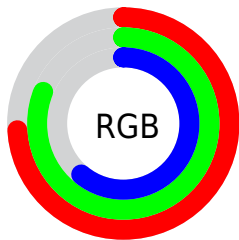
<b>Format</b>	<b>Color</b>
<b>RYB</b>	156, 206, 174
Decimal	12373660
CIELab	80.31, -14.73, 22.90
CIELCh	80, 27.230, 122.753
Yxy	57.2343, 0.3344, 0.3921
Android (android.graphics.Color)	4290563740 (0xFFBCCE9C)
YUV	194.9180, -19.1866, -6.0671
Hunter-Lab	75.6534, -17.2262, 21.6662

# Details

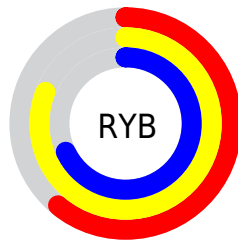
The XYZ color **48.8111, 57.2343, 39.9272** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **40.4869, 37.2334, 63.4486**, and the grayscale version is **51.9327, 54.6372, 59.4999**.

A 20% lighter version of the original color is **85.1741, 95.6356, 75.5984**, and **23.5584, 28.5243, 17.3608** is the 20% darker color. If you saturate the color by 10%, you get **45.4324, 55.6790, 31.4227**, and if you desaturate by 10%, it is **52.5826, 58.9614, 49.9968**.

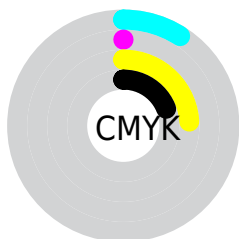
# Distribution



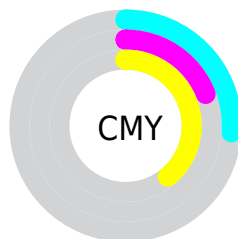
- Red (74%)
- Green (81%)
- Blue (61%)



- Red (61%)
- Yellow (81%)
- Blue (68%)



- Cyan (9%)
- Magenta (0%)
- Yellow (24%)
- Black (19%)




- Cyan (26%)
- Magenta (19%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.8111, 57.2343, 39.9272 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 48.8111, 57.2343, 39.9272 by changing the saturation by 10% instead.





 48.8111, 57.2343,  
39.9272


 48.8111, 57.2343,  
39.9272

372.5275,  
414.3267, 361.3596

 34.6836, 41.1934,  
27.1684


 87.6132, 100.8070,  
76.2885

 23.5846, 28.4702,  
17.4662


 113.0186,  
129.1075, 100.7282

 15.1488, 18.6804,  
10.4020


142.9139,  
162.2634, 129.8985

 9.0109, 11.4396,  
5.5572

177.6645,  
200.6590, 164.2181

 4.8055, 6.3633,  
2.5134

217.6358,  
244.6788, 204.1054

 2.1672, 3.0672,  
0.8472

263.1932,

 0.7253, 1.1669,

294.7070, 249.9791

0.0000

314.7020,  
351.1282, 302.2577

■ 0.0000, 0.0345,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 48.8111, 57.2343,  
39.9272

■ 48.8111, 57.2343,  
39.9272

■ 45.4324, 55.6790,  
31.4227

■ 52.5826, 58.9614,  
49.9968

■ 42.4258, 54.2813,  
24.4009

■ 56.7577, 60.8590,  
61.7008

■ 39.7750, 53.0365,  
18.7776

■ 61.3522, 62.9355,  
75.1090

■ 37.4607, 51.9367,  
14.4585

■ 66.3796, 65.1965,  
90.2860

■ 35.4614, 50.9730,  
11.3379

■ 71.2014, 67.3867,  
103.8620

■ 33.7523, 50.1354,  
9.2933

■ 73.5656, 68.6056,  
103.9726

■ 32.3036, 49.4118,  
8.1763

■ 76.0317, 69.8769,  
104.0880

■ 31.5616, 49.0368,  
7.8016

■ 78.6006, 71.2012,  
104.2082

■ 81.2737, 72.5792,  
104.3333

# Harmonies

## Analogous

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



53.8870, 57.2343, 36.4379



48.8111, 57.2343, 39.9272



45.4267, 57.2343, 49.3097

# Triad

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



48.8111, 57.2343, 39.9272



49.6442, 57.2343, 93.7412



65.8078, 57.2343, 60.8576

# Complementary

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



48.8111, 57.2343, 39.9272



40.4869, 37.2334, 63.4486

# 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.



64.4823, 57.2343, 77.4347



48.8111, 57.2343, 39.9272



54.9152, 57.2343, 98.2306

# Square

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



48.8111, 57.2343, 39.9272



45.8841, 57.2343, 80.4198



60.3989, 57.2343, 91.8215



63.9082, 57.2343, 47.1601



# Rectangle

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



48.8111, 57.2343, 39.9272



44.4562, 57.2343, 58.5303



60.3989, 57.2343, 91.8215



65.7248, 57.2343, 66.2665

# Sweetspot

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



48.8126, 57.2368, 39.9284



89.9828, 97.7045, 94.3520



46.4961, 45.6033, 37.8050



19.1699, 20.8719, 19.9406



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

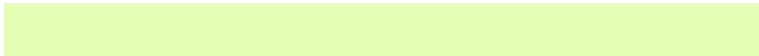


# Same Dimension

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



48.8126, 57.2368, 39.9284



76.2190, 91.4133, 57.3703



43.2807, 54.3850, 39.6695



11.7468, 12.8869, 11.9477



19.5429, 30.2500, 4.8088



1.0893, 1.6024, 0.2519



# Inverse Universe

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



40.4869, 37.2334, 63.4486



60.5057, 53.6512, 101.7745



46.4519, 40.3085, 63.7277



10.9767, 11.0373, 14.1222



8.7043, 3.6948, 36.2107

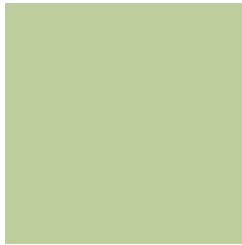


0.5315, 0.2331, 1.8719



# Previews

## White Background



This preview shows how the XYZ color 48.8111, 57.2343, 39.9272 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

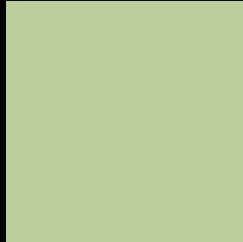
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.8111, 57.2343, 39.9272 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 48.8111, 57.2343, 39.9272**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.8111, 57.2343, 39.9272.



This preview shows how white text looks on a background with the XYZ color 48.8111, 57.2343,



# 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

48.8111, 57.2343, 39.9272

### Protanopia

53.3246, 57.1438, 38.3563

### Deuteranopia

58.1675, 56.9206, 40.7219



## Tritanopia

55.0966, 56.9790, 71.7125

# Trichromacy



## Original Color

48.8111, 57.2343, 39.9272

## Protanomaly

51.5819, 57.2707, 38.9075

## Deuteranomaly

54.2304, 56.5474, 40.4042

## Tritanomaly

52.5046, 56.9610, 58.6794

# Monochromacy



## Original Color

48.8111, 57.2343, 39.9272

## Achromatopsia

51.8711, 54.5724, 59.4294

## Achromatomaly

50.5021, 55.3895, 51.7456

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.8111, 57.2343, 39.9272 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(188, 206, 156)` looks like.

```
.text, #text, p{  
    color:rgb(188, 206, 156)  
}
```

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(188, 206, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 206, 156) }
```

## Border

The CSS property to change the border of an element to XYZ 48.8111, 57.2343, 39.9272 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(188, 206, 156) }
```



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

```
.border{ border-color:rgb(188, 206, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 206, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 206, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 206, 156);  
box-shadow:4px 4px 4px 4px rgb(188, 206,  
156) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.8111, 57.2343, 39.9272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 206, 156) }
```

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

```
.background{ background-color: rgb(188,  
206, 156) }
```

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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