

# Converting Colors

XYZ(50.8882, 64.0658, 48.9837)

Have a look what the booklet for  
XYZ(50.8882, 64.0658, 48.9837)  
contains.

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# Color

**XYZ(50.8977, 64.1439,  
49.2336)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ADDEAD
RGB	173, 222, 173
RGB Percent	68%, 87%, 68%
CMY	0.3216, 0.1294, 0.3216
CMYK	0.22, 0.00, 0.22, 0.13
HSL	120°, 43%, 77%
HSV	120°, 22%, 87%
XYZ	50.8977, 64.1439, 49.2336
YIQ	201.7630, -13.4750, -25.6270

# Conversions

## Conversions Part 2

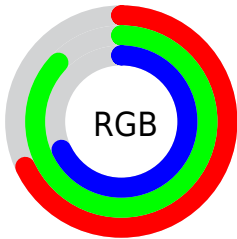
<b>Format</b>	<b>Color</b>
<b>RYB</b>	173, 222, 222
Decimal	11394733
CIELab	84.04, -25.18, 18.98
CIELCh	84, 31.531, 142.999
Yxy	64.1439, 0.3098, 0.3905
Android (android.graphics.Color)	4289584813 (0xFFADDEAD)
YUV	201.7630, -14.1802, -25.2252
Hunter-Lab	80.0899, -26.7193, 19.6156

# Details

The XYZ color **50.8977, 64.1439, 49.2336** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **58.2548, 50.6921, 75.8243**, and the grayscale version is **56.0843, 59.0051, 64.2565**.

A 20% lighter version of the original color is **82.2160, 93.8352, 87.9075**, and **24.9546, 32.9866, 22.8211** is the 20% darker color. If you saturate the color by 10%, you get **44.4179, 61.0332, 38.6334**, and if you desaturate by 10%, it is **58.5536, 67.8233, 61.7548**.

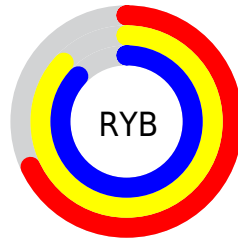
# Distribution



Red (68%)

Green (87%)

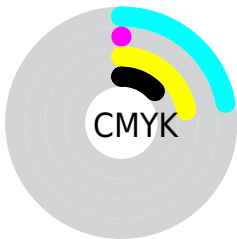
Blue (68%)



Red (68%)

Yellow (87%)

Blue (87%)

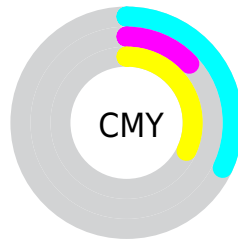


Cyan (22%)

Magenta (0%)

Yellow (22%)

Black (13%)



Cyan (32%)

Magenta (13%)


Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.8977, 64.1439, 49.2336 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 50.8977, 64.1439, 49.2336 by changing the saturation by 10% instead.





 50.8977, 64.1439,  
49.2336

 50.8977, 64.1439,  
49.2336


380.5604,  
439.7091, 400.3101

 36.3479, 46.7672,  
34.4379


 90.6874, 110.8181,  
90.4229

 24.8744, 32.8517,  
22.9501

116.6581,  
140.8845, 117.6536

 16.1117, 22.0128,  
14.3517


147.1664,  
175.9496, 149.8663

 9.6946, 13.8663,  
8.2242

182.5777,  
216.3977, 187.4797

 5.2576, 8.0278,  
4.1489

223.2575,  
262.6134, 230.9122

 2.4355, 4.1127,  
1.7074

269.5709,

 0.8629, 1.7368,

314.9809, 280.5824

0.3658

321.8834,  
373.8847, 336.9089

■ 0.0000, 0.4473,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 50.8977, 64.1439,  
49.2336

■ 50.8977, 64.1439,  
49.2336

■ 44.4179, 61.0332,  
38.6334

■ 58.5536, 67.8233,  
61.7548

■ 39.0512, 58.4553,  
29.8551

■ 67.4343, 72.0892,  
76.2808

■ 34.7365, 56.3827,  
22.7975

■ 77.5921, 76.9685,  
92.8957

■ 31.4047, 54.7823,  
17.3477

■ 85.4125, 80.7250,  
105.6875

■ 28.9786, 53.6169,  
13.3794

■ 27.3694, 52.8440,  
10.7472

■ 26.4705, 52.4122,  
9.2767

■ 26.1225, 52.2450,  
8.7076

# Harmonies

## Analogous

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



55.8893, 64.1439, 40.1845



50.8977, 64.1439, 49.2336



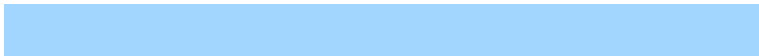
48.6327, 64.1439, 65.2765

# Triad

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



50.8977, 64.1439, 49.2336



59.3512, 64.1439, 115.1729



74.1249, 64.1439, 55.9201

# Complementary

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



50.8977, 64.1439, 49.2336



58.2548, 50.6921, 75.8243

# 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.



75.2277, 64.1439, 74.6151



50.8977, 64.1439, 49.2336



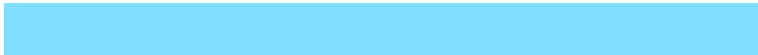
66.3429, 64.1439, 111.3648

# Square

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



50.8977, 64.1439, 49.2336



53.2670, 64.1439, 105.1136



72.2834, 64.1439, 95.5220



69.3751, 64.1439, 43.5014



# Rectangle

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



50.8977, 64.1439, 49.2336



48.8421, 64.1439, 78.8163



72.2834, 64.1439, 95.5220



74.9485, 64.1439, 61.5758

# Sweetspot

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



50.8994, 64.1466, 49.2350



86.0432, 95.6736, 94.1678



63.7911, 70.7925, 49.8380



18.2592, 20.4024, 19.8980



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

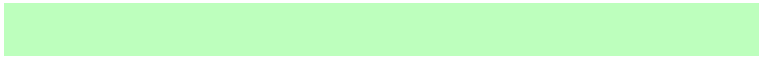


# Same Dimension

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



50.8994, 64.1466, 49.2350



65.8248, 85.9616, 61.0970



53.4922, 65.1837, 62.8884



13.5288, 15.3373, 14.5542



15.5155, 31.0311, 5.1719



1.0755, 2.1509, 0.3585



# Inverse Universe

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



58.2548, 50.6921, 75.8243



77.4230, 64.7462, 103.0236



55.2052, 49.4723, 59.7655



14.2951, 13.9357, 17.3241



25.7245, 12.3568, 42.0764

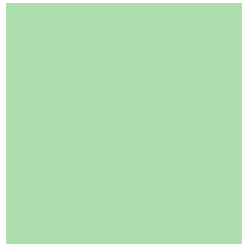


1.7831, 0.8565, 2.9165



# Previews

## White Background



This preview shows how the XYZ color 50.8977, 64.1439, 49.2336 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 50.8977, 64.1439, 49.2336 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 50.8977, 64.1439, 49.2336**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.8977, 64.1439, 49.2336.



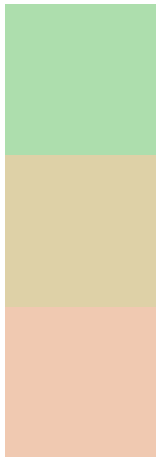
This preview shows how white text looks on a background with the XYZ color 50.8977, 64.1439,

49.2336.

# 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

50.8977, 64.1439, 49.2336

### Protanopia

59.8997, 63.9205, 45.7401

### Deuteranopia

64.7576, 63.4729, 50.4334



## Tritanopia

57.9988, 63.9299, 84.8842

# Trichromacy



**Original Color**

50.8977, 64.1439, 49.2336

**Protanomaly**

56.1098, 63.7951, 46.8925

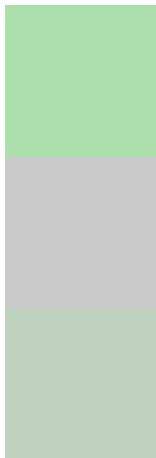
**Deuteranomaly**

58.9558, 63.3344, 50.1918

**Tritanomaly**

55.0361, 63.8626, 70.3988

# Monochromacy



**Original Color**

50.8977, 64.1439, 49.2336

**Achromatopsia**

56.1383, 59.0619, 64.3184

**Achromatomaly**

53.6903, 60.4389, 58.1263

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.8977, 64.1439, 49.2336 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(173, 222, 173)` looks like.

```
.text, #text, p{  
    color:rgb(173, 222, 173)  
}
```

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(173, 222, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 222, 173) }
```

## Border

The CSS property to change the border of an element to XYZ 50.8977, 64.1439, 49.2336 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(173, 222, 173) }
```



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

```
.border{ border-color:rgb(173, 222, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 222, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 222, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 222, 173);  
box-shadow:4px 4px 4px 4px rgb(173, 222,  
173) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.8977, 64.1439, 49.2336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 222, 173) }
```

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

```
.background{ background-color: rgb(173,  
222, 173) }
```

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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