

# Converting Colors

XYZ(62.1142, 68.2900, 48.4360)

Have a look what the booklet for  
XYZ(62.1142, 68.2900, 48.4360)  
contains.

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# **Color**

**XYZ(62.2409, 68.4552,  
48.4608)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDDAAB
RGB	221, 218, 171
RGB Percent	87%, 85%, 67%
CMY	0.1333, 0.1451, 0.3294
CMYK	0.00, 0.01, 0.23, 0.13
HSL	56°, 42%, 77%
HSV	56°, 23%, 87%
XYZ	62.2409, 68.4552, 48.4608
YIQ	213.5390, 16.8750, -13.9810

# Conversions

## Conversions Part 2

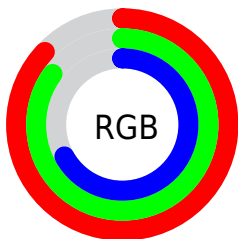
Format	Color
<a href="#">RYB</a>	<a href="#">174, 221, 171</a>
Decimal	<a href="#">14539435</a>
CIELab	<a href="#">86.23, -6.47, 23.56</a>
CIELCh	<a href="#">86, 24.436, 105.351</a>
Yxy	<a href="#">68.4552, 0.3474, 0.3821</a>
Android (android.graphics.Color)	<a href="#">4292729515 (0xFFDDDAAB)</a>
YUV	<a href="#">213.5390, -20.9717, 6.5433</a>
Hunter-Lab	<a href="#">82.7377, -10.5110, 23.1892</a>

# Details

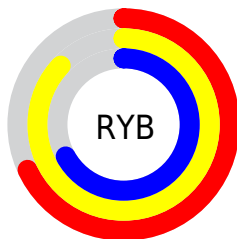
The XYZ color **62.2409, 68.4552, 48.4608** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **44.9817, 44.1496, 74.5580**, and the grayscale version is **63.7367, 67.0560, 73.0239**.

A 20% lighter version of the original color is **90.8651, 98.3261, 86.8628**, and **31.9440, 35.5256, 22.6263** is the 20% darker color. If you saturate the color by 10%, you get **59.9668, 67.0008, 38.1645**, and if you desaturate by 10%, it is **64.8735, 70.0621, 60.6159**.

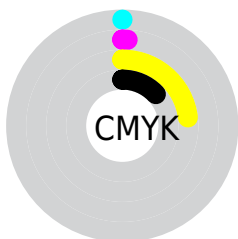
# Distribution



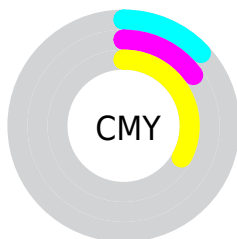
- Red (87%)
- Green (85%)
- Blue (67%)



- Red (68%)
- Yellow (87%)
- Blue (67%)



- Cyan (0%)
- Magenta (1%)
- Yellow (23%)
- Black (13%)



- Cyan (13%)
- Magenta (15%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.2409, 68.4552, 48.4608 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 62.2409, 68.4552, 48.4608 by changing the saturation by 10% instead.



62.2409, 68.4552,  
48.4608

62.2409, 68.4552,  
48.4608

422.5128,  
455.1071, 397.1770

45.4837, 50.2681,  
33.8294

107.1616,  
117.0031, 89.2628

32.0415, 35.6265,  
22.4862

136.0558,  
148.1327, 116.2704

21.5489, 24.1459,  
14.0129

169.7264,  
184.3454, 148.2405

13.6406, 15.4419,  
7.9908

208.5388,  
226.0254, 185.5916

7.9511, 9.1301,  
4.0014

252.8583,  
273.5572, 228.7423

4.1152, 4.8261,  
1.6261

303.0502,

1.7675, 2.1456,

327.3251, 278.1110

0.3093

359.4799,  
387.7136, 334.1164

■ 0.4980, 0.6901,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 62.2409, 68.4552,  
48.4608

■ 62.2409, 68.4552,  
48.4608

■ 59.9668, 67.0008,  
38.1645

■ 64.8735, 70.0621,  
60.6159

■ 58.0285, 65.6827,  
29.6306


■ 67.8757, 71.8189,  
74.7112


■ 56.4086, 64.4963,  
22.7603


■ 71.2644, 73.7348,  
90.8286


■ 55.0863, 63.4334,  
17.4437


■ 74.3372, 75.5286,  
105.2682


 54.0382, 62.4844,  
13.5574


 74.6929, 76.2401,  
105.3868


 53.2373, 61.6387,  
10.9594


 75.0514, 76.9571,  
105.5063

 52.6511, 60.8832,  
9.4787

 75.4127, 77.6797,  
105.6267

 52.3168, 60.3679,  
8.8948

 75.7768, 78.4079,  
105.7481

 76.1437, 79.1416,  
105.8704

# Harmonies

## Analogous

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



67.8405, 68.4552, 48.3870



62.2409, 68.4552, 48.4608



57.6638, 68.4552, 54.8044

# Triad

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



62.2409, 68.4552, 48.4608



57.7504, 68.4552, 98.8368



76.1089, 68.4552, 82.6536

# Complementary

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



62.2409, 68.4552, 48.4608



44.9817, 44.1496, 74.5580

# Split Complementary

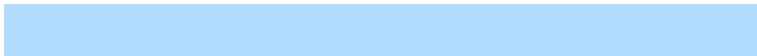
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.0731, 68.4552, 98.5126



62.2409, 68.4552, 48.4608



62.3655, 68.4552, 108.7307

# Square

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



62.2409, 68.4552, 48.4608



55.1749, 68.4552, 83.0478



67.9725, 68.4552, 108.6041



76.0707, 68.4552, 66.6268



# Rectangle

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



62.2409, 68.4552, 48.4608



55.7142, 68.4552, 62.3407



67.9725, 68.4552, 108.6041



75.4067, 68.4552, 88.2264

# Sweetspot

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



62.2427, 68.4583, 48.4622



91.9678, 98.2229, 94.3474



52.0550, 47.5679, 46.6538



19.6307, 20.9920, 19.9395



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.



62.2427, 68.4583, 48.4622



84.5772, 93.7282, 60.1717



56.8495, 66.8415, 48.4344



14.0919, 15.1232, 13.9019



30.4216, 35.1288, 5.1771



1.9916, 2.3172, 0.3423



# Inverse Universe

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



44.9817, 44.1496, 74.5580



56.8091, 54.6238, 102.1570



49.5223, 45.6409, 74.6065



12.4010, 12.7417, 16.4579



7.6944, 3.2582, 39.9618

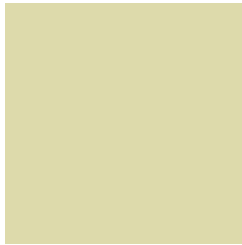


0.5210, 0.2562, 2.5964



# Previews

## White Background



This preview shows how the XYZ color 62.2409, 68.4552, 48.4608 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

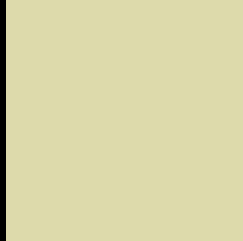
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.2409, 68.4552, 48.4608 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

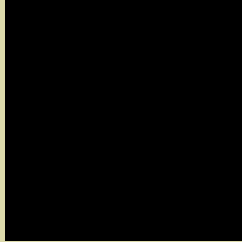
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

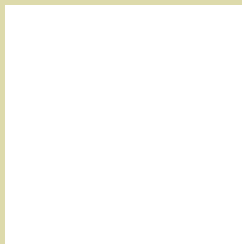
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 62.2409, 68.4552, 48.4608**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.2409, 68.4552, 48.4608.



This preview shows how white text looks on a background with the XYZ color 62.2409, 68.4552,



# 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

62.2409, 68.4552, 48.4608

### Protanopia

64.1893, 68.3262, 47.8353

### Deuteranopia

69.6393, 68.1520, 49.0194



## Tritanopia

68.9066, 68.1332, 82.1923

# Trichromacy



## Original Color

62.2409, 68.4552, 48.4608

## Protanomaly

63.4901, 68.3449, 47.8758

## Deuteranomaly

66.6758, 68.0924, 48.6587

## Tritanomaly

66.1081, 68.1010, 68.6920

# Monochromacy



## Original Color

62.2409, 68.4552, 48.4608

## Achromatopsia

63.9157, 67.2443, 73.2291

## Achromatomaly

63.1088, 67.4298, 63.1151

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.2409, 68.4552, 48.4608 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(221, 218, 171)` looks like.

```
.text, #text, p{  
    color:rgb(221, 218, 171)  
}
```

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(221, 218, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 218, 171) }
```

## Border

The CSS property to change the border of an element to XYZ 62.2409, 68.4552, 48.4608 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(221, 218, 171) }
```



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

```
.border{ border-color:rgb(221, 218, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 218, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 218, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 218, 171); box-shadow:4px 4px 4px 4px rgb(221, 218, 171) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.2409, 68.4552, 48.4608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 218, 171) }
```

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

```
.background{ background-color: rgb(221,  
218, 171) }
```

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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