

# Converting Colors

XYZ(62.4738, 67.4884, 51.1559)

Have a look what the booklet for  
XYZ(62.4738, 67.4884, 51.1559)  
contains.

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# Color

**XYZ(62.3605, 67.3048,  
51.2993)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DED7B1
RGB	222, 215, 177
RGB Percent	87%, 84%, 69%
CMY	0.1294, 0.1568, 0.3059
CMYK	0.00, 0.03, 0.20, 0.13
HSL	51°, 41%, 78%
HSV	51°, 20%, 87%
XYZ	62.3605, 67.3048, 51.2993
YIQ	212.7610, 16.3700, -10.3340

# Conversions

## Conversions Part 2

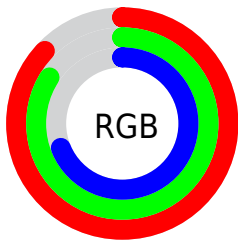
<b>Format</b>	<b>Color</b>
<b>RYB</b>	185, 222, 177
Decimal	14604209
CIELab	85.66, -3.71, 19.65
CIELCh	86, 19.993, 100.691
Yxy	67.3048, 0.3446, 0.3719
Android (android.graphics.Color)	4292794289 (0xFFDED7B1)
YUV	212.7610, -17.6302, 8.1026
Hunter-Lab	82.0395, -7.8863, 20.3536

# Details

The XYZ color **62.3605, 67.3048, 51.2993** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **48.4566, 48.9010, 75.9927**, and the grayscale version is **63.1940, 66.4851, 72.4022**.

A 20% lighter version of the original color is **91.7080, 98.6632, 91.3012**, and **32.1452, 34.8123, 24.0940** is the 20% darker color. If you saturate the color by 10%, you get **59.4564, 64.7541, 40.2882**, and if you desaturate by 10%, it is **65.6467, 70.0426, 64.2154**.

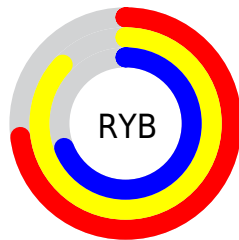
# Distribution



Red (87%)

Green (84%)

Blue (69%)



Red (73%)

Yellow (87%)

Blue (69%)

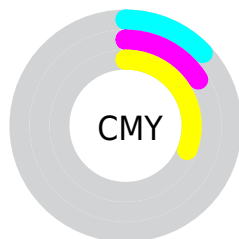


Cyan (0%)

Magenta (3%)

Yellow (20%)

Black (13%)



Cyan (13%)

Magenta (16%)

Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.3605, 67.3048, 51.2993 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 62.3605, 67.3048, 51.2993 by changing the saturation by 10% instead.



■ 62.3605, 67.3048,  
51.2993

■ 62.3605, 67.3048,  
51.2993

422.9415,  
451.0289, 408.6052

■ 45.5808, 49.3324,  
36.0685

■ 107.3334,  
115.3570, 93.5131

■ 32.1183, 34.8832,  
24.1970

136.2572,  
146.2057, 121.3331

■ 21.6079, 23.5729,  
15.2663

169.9598,  
182.1151, 154.1866

■ 13.6841, 15.0171,  
8.8578

208.8065,  
223.4698, 192.4921

■ 7.9815, 8.8314,  
4.5530

253.1627,  
270.6542, 236.6682

■ 4.1348, 4.6314,  
1.9333

303.3937,

■ 1.7787, 2.0326,

324.0525, 287.1334

0.5138

359.8648,  
384.0493, 344.3062

■ 0.5048, 0.6263,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 62.3605, 67.3048,  
51.2993

■ 62.3605, 67.3048,  
51.2993

■ 59.4564, 64.7541,  
40.2882

■ 65.6467, 70.0426,  
64.2154

■ 56.9117, 62.3743,  
31.0861


■ 69.3260, 72.9652,  
79.1175


■ 54.7091, 60.1607,  
23.5954

■ 73.4155, 76.0818,  
96.0873


■ 52.8278, 58.1048,  
17.7073


■ 76.1412, 78.6832,  
105.7820

 51.2449, 56.1971,  
13.3007


 77.1046, 80.6100,  
106.1032


 49.9337, 54.4269,  
10.2370


 78.0871, 82.5749,  
106.4307

 48.8631, 52.7814,  
8.3515

 79.0887, 84.5783,  
106.7646

 47.9989, 51.2786,  
7.3679

 80.1097, 86.6202,  
107.1049

 81.1501, 88.7010,  
107.4517

# Harmonies

## Analogous

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



66.9107, 67.3048, 52.0722



62.3605, 67.3048, 51.2993



58.4302, 67.3048, 55.8652

# Triad

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



62.3605, 67.3048, 51.2993



57.5586, 67.3048, 90.8802



72.5963, 67.3048, 81.8930

# Complementary

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



62.3605, 67.3048, 51.2993



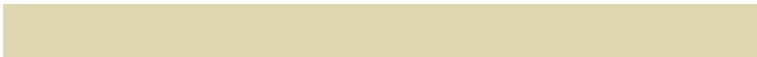
48.4566, 48.9010, 75.9927

# Split Complementary

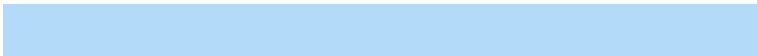
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



69.8518, 67.3048, 93.9912



62.3605, 67.3048, 51.2993



61.1191, 67.3048, 99.5906

# Square

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



62.3605, 67.3048, 51.2993



55.7465, 67.3048, 78.0348



65.6094, 67.3048, 100.7922



72.9675, 67.3048, 68.7291



# Rectangle

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



62.3605, 67.3048, 51.2993



56.6352, 67.3048, 61.6796



65.6094, 67.3048, 100.7922



71.9148, 67.3048, 86.2584

# Sweetspot

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



62.3623, 67.3078, 51.3007



91.9296, 97.5453, 96.1875



54.5513, 50.4564, 52.4874



19.6066, 20.8228, 20.3051



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.



62.3623, 67.3078, 51.3007



83.7549, 90.7455, 64.0225



59.7899, 68.6829, 51.7017



14.6808, 15.6475, 14.5533



28.5771, 30.5922, 4.3987



2.0304, 2.2196, 0.3214



# Inverse Universe

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



48.4566, 48.9010, 75.9927



61.6769, 61.5231, 103.2322



50.6460, 47.9256, 75.6890



13.1232, 13.5856, 17.3183



8.2316, 3.9327, 41.3736



0.6246, 0.3806, 2.8858



# Previews

## White Background



This preview shows how the XYZ color 62.3605, 67.3048, 51.2993 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

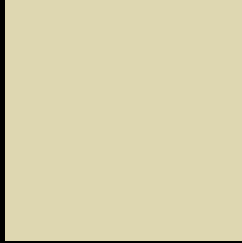
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.3605, 67.3048, 51.2993 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

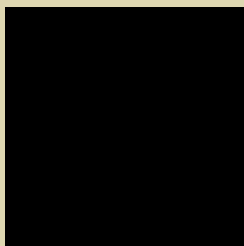
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

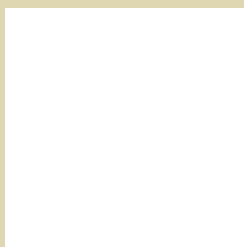
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 62.3605, 67.3048, 51.2993**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.3605, 67.3048, 51.2993.



This preview shows how white text looks on a background with the XYZ color 62.3605, 67.3048,



# 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

62.3605, 67.3048, 51.2993

### Protanopia

63.2471, 67.3965, 50.7496

### Deuteranopia

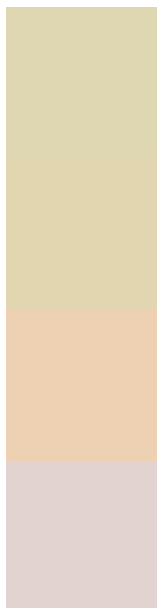
68.5658, 67.1714, 51.9994



## Tritanopia

68.1414, 67.0420, 80.5831

# Trichromacy



## Original Color

62.3605, 67.3048, 51.2993

## Protanomaly

62.9344, 67.2353, 50.7350

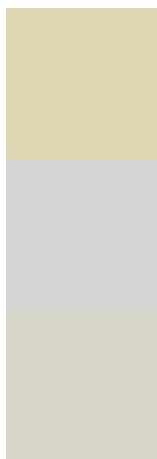
## Deuteranomaly

66.0962, 66.9924, 51.5667

## Tritanomaly

66.0435, 67.3113, 69.1860

# Monochromacy



## Original Color

62.3605, 67.3048, 51.2993

## Achromatopsia

63.2451, 66.5387, 72.4607

## Achromatomaly

62.7908, 66.8622, 64.2398

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.3605, 67.3048, 51.2993 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(222, 215, 177)` looks like.

```
.text, #text, p{  
    color:rgb(222, 215, 177)  
}
```

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(222, 215, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 215, 177) }
```

## Border

The CSS property to change the border of an element to XYZ 62.3605, 67.3048, 51.2993 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(222, 215, 177) }
```



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

```
.border{ border-color:rgb(222, 215, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 215, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 215, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 215, 177);  
box-shadow:4px 4px 4px 4px rgb(222, 215,  
177) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.3605, 67.3048, 51.2993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 215, 177) }
```

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

```
.background{ background-color: rgb(222,  
215, 177) }
```

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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