

# Converting Colors

XYZ(60.1370, 68.7849, 38.8701)

Have a look what the booklet for  
XYZ(60.1370, 68.7849, 38.8701)  
contains.

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# Color

**XYZ(60.2749, 68.8203,  
38.9610)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DADD96
RGB	218, 221, 150
RGB Percent	85%, 87%, 59%
CMY	0.1451, 0.1333, 0.4118
CMYK	0.01, 0.00, 0.32, 0.13
HSL	63°, 51%, 73%
HSV	63°, 32%, 87%
XYZ	60.2749, 68.8203, 38.9610
YIQ	212.0090, 21.0030, -22.7170

# Conversions

## Conversions Part 2

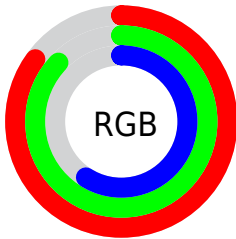
<b>Format</b>	<b>Color</b>
<b>RYB</b>	150, 221, 153
Decimal	14343574
CIELab	86.41, -11.87, 34.59
CIELCh	86, 36.570, 108.944
Yxy	68.8203, 0.3587, 0.4095
Android (android.graphics.Color)	4292533654 (0xFFDADD96)
YUV	212.0090, -30.5704, 5.2541
Hunter-Lab	82.9580, -15.4835, 30.2252

# Details

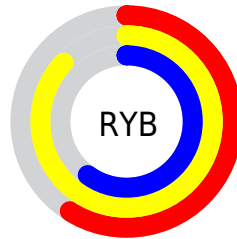
The XYZ color **60.2749, 68.8203, 38.9610** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.0969, 33.8072, 72.9808**, and the grayscale version is **62.7738, 66.0429, 71.9207**.

A 20% lighter version of the original color is **88.0194, 97.1878, 71.8776**, and **30.7411, 35.8357, 16.8520** is the 20% darker color. If you saturate the color by 10%, you get **58.3823, 68.0334, 30.4429**, and if you desaturate by 10%, it is **62.5083, 69.7485, 49.2498**.

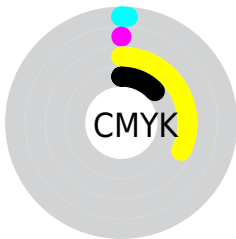
# Distribution



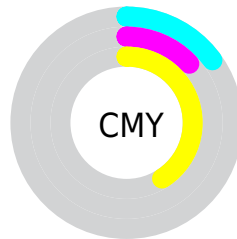
- Red (85%)
- Green (87%)
- Blue (59%)



- Red (59%)
- Yellow (87%)
- Blue (60%)



- Cyan (1%)
- Magenta (0%)
- Yellow (32%)
- Black (13%)



- Cyan (15%)
- Magenta (13%)
- Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.2749, 68.8203, 38.9610 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 60.2749, 68.8203, 38.9610 by changing the saturation by 10% instead.





 60.2749, 68.8203,  
38.9610

 60.2749, 68.8203,  
38.9610


415.4288,  
456.3969, 357.1457

 43.8906, 50.5654,  
26.4218


 104.3324,  
117.5249, 74.7984

 30.7820, 35.8628,  
16.9109


 132.7363,  
148.7433, 98.9337

 20.5839, 24.3283,  
10.0097


165.8774,  
185.0517, 127.7714

 12.9309, 15.5773,  
5.2997

204.1211,  
226.8345, 161.7302

 7.4577, 9.2256,  
2.3624

247.8327,  
274.4760, 201.2284

 3.7988, 4.8886,  
0.7658

297.3777,

 1.5889, 2.1820,

328.3606, 246.6847

0.0000

353.1212,  
388.8728, 298.5176

0.3852, 0.7102,  
0.0000

0.0000, 0.0000,  
0.0000

60.2749, 68.8203,  
38.9610

60.2749, 68.8203,  
38.9610

58.3823, 68.0334,  
30.4429

62.5083, 69.7485,  
49.2498

56.8062, 67.3710,  
23.5914


65.0946, 70.8156,  
61.3967


55.5277, 66.8277,  
18.2986


68.0519, 72.0313,  
75.4887


54.5235, 66.3943,  
14.4418


71.3953, 73.4016,  
91.6059


 53.7668, 66.0601,  
11.8802


 74.2401, 74.5727,  
105.0888


 53.2254, 65.8123,  
10.4446

 74.5286, 74.7214,  
105.1023

 52.9088, 65.6611,  
9.8853

 74.8187, 74.8709,  
105.1159

 75.1104, 75.0213,  
105.1296

 75.4037, 75.1725,  
105.1433

# Harmonies

## Analogous

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



68.5790, 68.8203, 37.8991



60.2749, 68.8203, 38.9610



53.9032, 68.8203, 48.3259

# Triad

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



60.2749, 68.8203, 38.9610



55.3049, 68.8203, 115.8083



82.6985, 68.8203, 84.2214

# Complementary

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



60.2749, 68.8203, 38.9610



37.0969, 33.8072, 72.9808

# 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.



78.4516, 68.8203, 109.8603



60.2749, 68.8203, 38.9610



62.3433, 68.8203, 130.5429

# Square

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



60.2749, 68.8203, 38.9610



51.2091, 68.8203, 91.0866



70.8322, 68.8203, 128.1580



82.0237, 68.8203, 60.8130



# Rectangle

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



60.2749, 68.8203, 38.9610



51.3834, 68.8203, 59.4201



70.8322, 68.8203, 128.1580



81.7855, 68.8203, 92.9364

# Sweetspot

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



60.2766, 68.8234, 38.9624



90.8168, 98.2610, 88.6750



46.6139, 40.1516, 34.1483



19.3203, 20.9832, 18.4196



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.



60.2766, 68.8234, 38.9624



81.4309, 94.3754, 45.1775



50.9242, 64.0021, 38.5248



14.1049, 15.2343, 13.9227



30.7589, 38.1543, 5.7433



2.0100, 2.4807, 0.3729



# Inverse Universe

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



37.0969, 33.8072, 72.9808



44.3123, 38.2950, 99.6639



44.6658, 37.7091, 73.3350



12.3894, 12.6433, 16.4396



7.6735, 3.0800, 39.9285

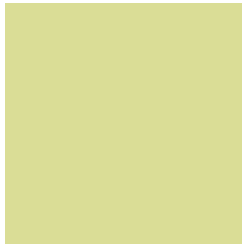


0.5155, 0.2090, 2.5876



# Previews

## White Background



This preview shows how the XYZ color 60.2749, 68.8203, 38.9610 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 60.2749, 68.8203, 38.9610 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

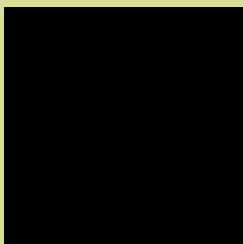
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

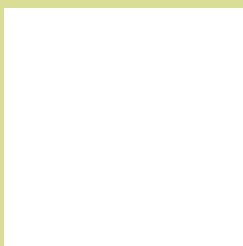
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 60.2749, 68.8203, 38.9610**

## **Background**



This preview shows how black text looks on a background with the XYZ color 60.2749, 68.8203, 38.9610.



This preview shows how white text looks on a background with the XYZ color 60.2749, 68.8203,



# 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

60.2749, 68.8203, 38.9610

### Protanopia

63.8328, 68.7423, 37.9212

### Deuteranopia

69.6386, 68.3200, 41.4150



## Tritanopia

69.2928, 68.6839, 83.0040

# Trichromacy



## Original Color

60.2749, 68.8203, 38.9610

## Protanomaly

62.4911, 68.8067, 38.4212

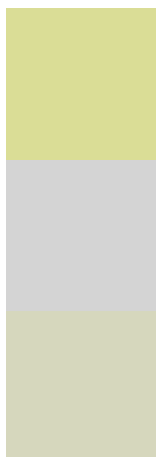
## Deuteranomaly

65.9942, 68.2973, 40.2763

## Tritanomaly

65.4662, 68.6183, 64.4378

# Monochromacy



## Original Color

60.2749, 68.8203, 38.9610

## Achromatopsia

62.5785, 65.8375, 71.6970

## Achromatomaly

61.2173, 66.5711, 57.7671

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.2749, 68.8203, 38.9610 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(218, 221, 150)` looks like.

```
.text, #text, p{  
    color:rgb(218, 221, 150)  
}
```

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(218, 221, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 221, 150) }
```

## Border

The CSS property to change the border of an element to XYZ 60.2749, 68.8203, 38.9610 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(218, 221, 150) }
```



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

```
.border{ border-color:rgb(218, 221, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 221, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 221, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 221, 150);  
box-shadow:4px 4px 4px 4px rgb(218, 221,  
150) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.2749, 68.8203, 38.9610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 221, 150) }
```

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

```
.background{ background-color: rgb(218,  
221, 150) }
```

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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