

# Converting Colors

XYZ(57.6536, 64.7013, 33.6107)

Have a look what the booklet for  
XYZ(57.6536, 64.7013, 33.6107)  
contains.

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# Color

**XYZ(57.8474, 64.9882,  
33.5398)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBD68A
RGB	219, 214, 138
RGB Percent	86%, 84%, 54%
CMY	0.1412, 0.1608, 0.4588
CMYK	0.00, 0.02, 0.37, 0.14
HSL	56°, 53%, 70%
HSV	56°, 37%, 86%
XYZ	57.8474, 64.9882, 33.5398
YIQ	206.8310, 27.3760, -22.5760

# Conversions

## Conversions Part 2

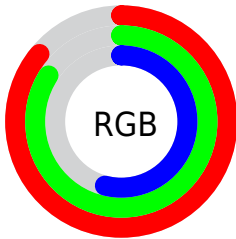
<b>Format</b>	<b>Color</b>
<b>RYB</b>	143, 219, 138
Decimal	14407306
CIELab	84.48, -9.37, 38.17
CIELCh	84, 39.299, 103.790
Yxy	64.9882, 0.3699, 0.4156
Android (android.graphics.Color)	4292597386 (0xFFDBD68A)
YUV	206.8310, -33.9337, 10.6722
Hunter-Lab	80.6153, -12.9898, 31.7632

# Details

The XYZ color **57.8474, 64.9882, 33.5398** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **33.0896, 30.1617, 71.0955**, and the grayscale version is **59.4000, 62.4934, 68.0553**.

A 20% lighter version of the original color is **86.5144, 96.5858, 63.9523**, and **29.2227, 33.2709, 13.8986** is the 20% darker color. If you saturate the color by 10%, you get **56.0794, 63.7388, 25.9013**, and if you desaturate by 10%, it is **59.9412, 66.3771, 42.8657**.

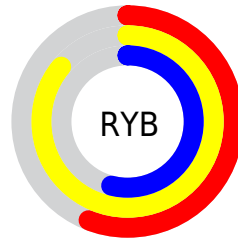
# Distribution



Red (86%)

Green (84%)

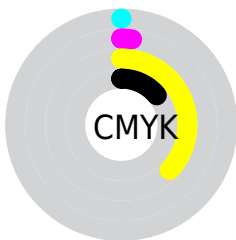
Blue (54%)



Red (56%)

Yellow (86%)

Blue (54%)

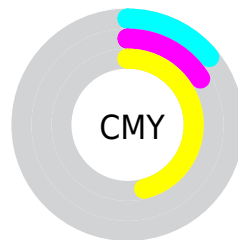


Cyan (0%)

Magenta (2%)

Yellow (37%)

Black (14%)



Cyan (14%)

Magenta (16%)


Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.8474, 64.9882, 33.5398 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 57.8474, 64.9882, 33.5398 by changing the saturation by 10% instead.




 57.8474, 64.9882,  
33.5398

 57.8474, 64.9882,  
33.5398


406.5801,  
442.7496, 332.7814


 41.9288, 47.4515,  
22.2658


 100.8248,  
112.0329, 66.3431

 29.2364, 33.3927,  
13.8521


 128.6144,  
142.3097, 88.7094

 19.4049, 22.4275,  
7.8803


 161.0916,  
177.6020, 115.6103

 12.0689, 14.1713,  
3.9318

198.6218,  
218.2941, 147.4642

 6.8632, 8.2399,  
1.5880

241.5704,  
264.7706, 184.6898

 3.4223, 4.2489,  
0.2822

290.3028,

 1.3808, 1.8137,

317.4157, 227.7055

0.0000

345.1842,  
376.6139, 276.9298

■ 0.2425, 0.4957,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.8474, 64.9882,  
33.5398

■ 57.8474, 64.9882,  
33.5398

■ 56.0794, 63.7388,  
25.9013

■ 59.9412, 66.3771,  
42.8657

■ 54.6130, 62.6122,  
19.8443

■ 62.3737, 67.9037,  
53.9681

■ 53.4284, 61.6028,  
15.2573

■ 65.1629, 69.5776,  
66.9350

■ 52.5014, 60.7010,  
12.0127

■ 68.3241, 71.4048,  
81.8470

■ 51.8035, 59.8953,  
9.9610

■ 71.8719, 73.3913,  
98.7803

■ 51.2978, 59.1710,  
8.9070

■ 73.4132, 74.5797,  
105.1338

■ 51.1638, 58.9609,  
8.6840

■ 73.7735, 75.3004,  
105.2539

■ 74.1367, 76.0268,  
105.3749

■ 74.5028, 76.7589,  
105.4970

# Harmonies

## Analogous

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



66.5833, 64.9882, 33.8609



57.8474, 64.9882, 33.5398



50.8486, 64.9882, 41.3800

# Triad

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



57.8474, 64.9882, 33.5398



50.4088, 64.9882, 109.5911



79.3633, 64.9882, 85.0737

# Complementary

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



57.8474, 64.9882, 33.5398



33.0896, 30.1617, 71.0955

# 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.



74.1514, 64.9882, 111.5277



57.8474, 64.9882, 33.5398



57.1932, 64.9882, 127.8070

# Square

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



57.8474, 64.9882, 33.5398



46.8361, 64.9882, 82.8716



65.8646, 64.9882, 128.5894



79.5808, 64.9882, 59.8920



# Rectangle

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



57.8474, 64.9882, 33.5398



47.8783, 64.9882, 51.5520



65.8646, 64.9882, 128.5894



78.1167, 64.9882, 94.2321

# Sweetspot

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



57.8490, 64.9912, 33.5412



90.3090, 97.2248, 86.6433



43.2906, 35.2330, 30.6655



19.2143, 20.7408, 18.0080



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

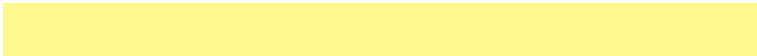


# Same Dimension

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



57.8490, 64.9912, 33.5412



79.7754, 90.4224, 39.1559



49.6625, 62.6761, 33.5258



14.0899, 15.1191, 13.9012



30.3677, 35.0210, 5.1592



1.9886, 2.3114, 0.3413



# Inverse Universe

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



33.0896, 30.1617, 71.0955



40.2045, 34.7646, 99.1990



39.1309, 32.1878, 71.1682



12.4028, 12.7454, 16.4585



7.6978, 3.2650, 39.9629

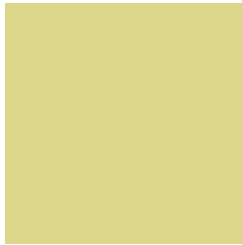


0.5219, 0.2579, 2.5967



# Previews

## White Background



This preview shows how the XYZ color 57.8474, 64.9882, 33.5398 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 57.8474, 64.9882, 33.5398 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

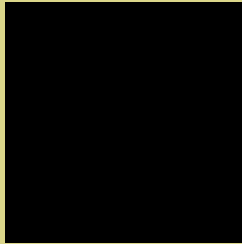
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 57.8474, 64.9882, 33.5398**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.8474, 64.9882, 33.5398.



This preview shows how white text looks on a background with the XYZ color 57.8474, 64.9882,



# 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

57.8474, 64.9882, 33.5398

### Protanopia

60.1227, 65.0527, 33.0545

### Deuteranopia

66.4363, 65.0468, 34.2530



## Tritanopia

66.5060, 64.8470, 76.7216

# Trichromacy



## Original Color

57.8474, 64.9882, 33.5398

## Protanomaly

59.1102, 64.9007, 33.0786

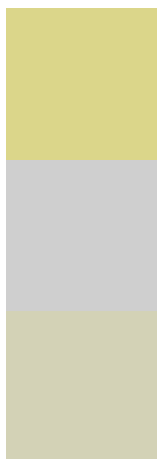
## Deuteranomaly

63.0806, 64.7368, 33.9817

## Tritanomaly

62.9015, 64.8370, 57.9147

# Monochromacy



## Original Color

57.8474, 64.9882, 33.5398

## Achromatopsia

59.3074, 62.3960, 67.9493

## Achromatomaly

58.3541, 63.3195, 53.4023

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.8474, 64.9882, 33.5398 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(219, 214, 138)` looks like.

```
.text, #text, p{  
    color:rgb(219, 214, 138)  
}
```

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(219, 214, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 214, 138) }
```

## Border

The CSS property to change the border of an element to XYZ 57.8474, 64.9882, 33.5398 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(219, 214, 138) }
```



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

```
.border{ border-color:rgb(219, 214, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 214, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 214, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 214, 138);  
box-shadow:4px 4px 4px 4px rgb(219, 214,  
138) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.8474, 64.9882, 33.5398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 214, 138) }
```

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

```
.background{ background-color: rgb(219,  
214, 138) }
```

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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