

# Converting Colors

XYZ(55.6470, 57.4438, 38.2918)

Have a look what the booklet for  
XYZ(55.6470, 57.4438, 38.2918)  
contains.

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# Color

**XYZ(55.6139, 57.3094,  
38.2676)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DEC499
RGB	222, 196, 153
RGB Percent	87%, 77%, 60%
CMY	0.1294, 0.2313, 0.4000
CMYK	0.00, 0.12, 0.31, 0.13
HSL	37°, 51%, 74%
HSV	37°, 31%, 87%
XYZ	55.6139, 57.3094, 38.2676
YIQ	198.8720, 29.2990, -7.8610

# Conversions

## Conversions Part 2

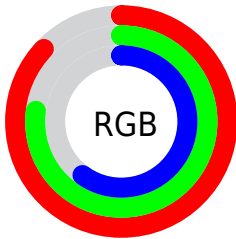
Format	Color
R <sub>YB</sub>	195, 222, 153
Decimal	14599321
CIE Lab	80.35, 2.88, 24.99
CIE LCh	80, 25.151, 83.413
Yxy	57.3094, 0.3678, 0.3791
Android (android.graphics.Color)	4292789401 (0xFFDEC499)
YUV	198.8720, -22.6149, 20.2833
Hunter-Lab	75.7030, -1.3482, 23.0212

# Details

The XYZ color **55.6139, 57.3094, 38.2676** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **42.4413, 44.2850, 75.4183**, and the grayscale version is **54.3304, 57.1599, 62.2471**.

A 20% lighter version of the original color is **87.7504, 96.0646, 73.5919**, and **27.7972, 28.4123, 16.5894** is the 20% darker color. If you saturate the color by 10%, you get **52.1144, 52.9767, 28.8811**, and if you desaturate by 10%, it is **59.5627, 61.9942, 49.4881**.

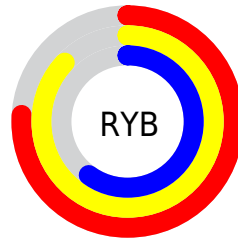
# Distribution



Red (87%)

Green (77%)

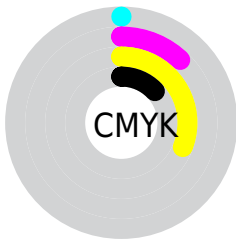
Blue (60%)



Red (76%)

Yellow (87%)

Blue (60%)

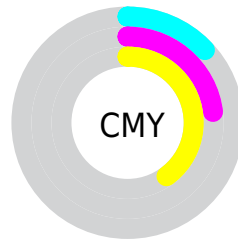


Cyan (0%)

Magenta (12%)

Yellow (31%)

Black (13%)



Cyan (13%)

Magenta (23%)


Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.6139, 57.3094, 38.2676 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 55.6139, 57.3094, 38.2676 by changing the saturation by 10% instead.





 55.6139, 57.3094,  
38.2676

 55.6139, 57.3094,  
38.2676


398.3335,  
414.6077, 354.0991

 40.1292, 41.2537,  
25.8870


 97.5829, 100.9165,  
73.7261

 27.8240, 28.5174,  
16.5141


 124.7980,  
129.2367, 97.6410

 18.3328, 18.7160,  
9.7304


156.6539,  
162.4138, 126.2379

 11.2903, 11.4653,  
5.1173

193.5160,  
200.8323, 159.9351

 6.3312, 6.3807,  
2.2563

235.7496,  
244.8766, 199.1513

 3.0901, 3.0779,  
0.7066

283.7202,

 1.2016, 1.1725,

294.9309, 244.3050

0.0000

337.7930,  
351.3798, 295.8148

■ 0.1076, 0.0391,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 55.6139, 57.3094,  
38.2676

■ 55.6139, 57.3094,  
38.2676

■ 52.1144, 52.9767,  
28.8811

■ 59.5627, 61.9942,  
49.4881

■ 49.0391, 48.9772,  
21.2247


■ 63.9755, 67.0335,  
62.6318


■ 46.3670, 45.3017,  
15.1895


■ 68.8718, 72.4397,  
77.7862


■ 44.0731, 41.9374,  
10.6525


■ 74.2683, 78.2221,  
95.0323


 42.1288, 38.8700,  
7.4729


 78.6975, 83.7961,  
106.6342

 40.5005, 36.0830,  
5.4827

 81.1870, 88.7752,  
107.4641

 39.2651, 33.8113,  
4.4567

 83.7911, 93.9834,  
108.3321

 83.9342, 94.2696,  
108.3798

# Harmonies

## Analogous

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



60.5848, 57.3094, 42.2973



55.6139, 57.3094, 38.2676



50.6324, 57.3094, 39.8380

# Triad

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



55.6139, 57.3094, 38.2676



45.8849, 57.3094, 74.3533



62.8097, 57.3094, 80.8632

# Complementary

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



55.6139, 57.3094, 38.2676



42.4413, 44.2850, 75.4183

# 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.



58.4986, 57.3094, 92.1891



55.6139, 57.3094, 38.2676



48.7827, 57.3094, 88.0361

# Square

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



55.6139, 57.3094, 38.2676



45.2196, 57.3094, 59.2054



53.3436, 57.3094, 95.0017



64.9050, 57.3094, 65.7079



# Rectangle

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



55.6139, 57.3094, 38.2676



47.9488, 57.3094, 43.9935



53.3436, 57.3094, 95.0017



61.5591, 57.3094, 85.3353

# Sweetspot

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



55.6154, 57.3120, 38.2688



88.8761, 93.2160, 89.6894



49.6981, 41.5856, 48.2948



18.8206, 19.7257, 18.5789



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.



55.6154, 57.3120, 38.2688



73.0925, 74.7215, 44.1269



59.5883, 68.8312, 40.2828



14.4153, 15.1165, 14.4648



23.4328, 20.3035, 2.6839



1.7095, 1.5779, 0.2145



# Inverse Universe

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



42.4413, 44.2850, 75.4183



52.4615, 54.3288, 102.3292



39.2847, 35.6394, 73.9159



13.3731, 14.0852, 17.4016



9.7966, 7.0627, 41.8953



0.7633, 0.6580, 2.9320



# Previews

## White Background



This preview shows how the XYZ color 55.6139, 57.3094, 38.2676 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

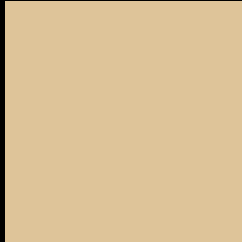
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.6139, 57.3094, 38.2676 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

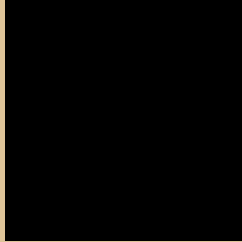
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 55.6139, 57.3094, 38.2676**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.6139, 57.3094, 38.2676.



This preview shows how white text looks on a background with the XYZ color 55.6139, 57.3094,



# 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

55.6139, 57.3094, 38.2676

### Protanopia

53.6967, 57.3261, 38.8068

### Deuteranopia

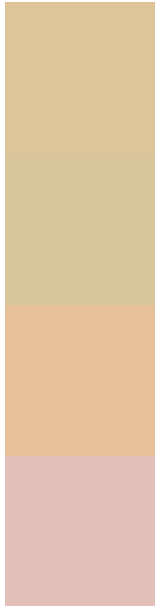
58.3952, 57.0871, 38.5130



## Tritanopia

61.0916, 57.2488, 64.9570

# Trichromacy



## Original Color

55.6139, 57.3094, 38.2676

## Protanomaly

54.3457, 57.3202, 38.7714

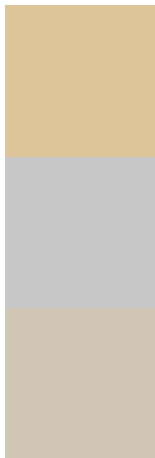
## Deuteranomaly

57.5358, 57.2960, 38.5986

## Tritanomaly

58.9706, 57.3708, 53.8645

# Monochromacy



## Original Color

55.6139, 57.3094, 38.2676

## Achromatopsia

54.2854, 57.1125, 62.1955

## Achromatomaly

54.3697, 57.0310, 52.3985

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.6139, 57.3094, 38.2676 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, 196, 153)` looks like.

```
.text, #text, p{  
    color:rgb(222, 196, 153)  
}
```

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, 196, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 196, 153) }
```

## Border

The CSS property to change the border of an element to XYZ 55.6139, 57.3094, 38.2676 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, 196, 153) }
```



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

```
.border{ border-color:rgb(222, 196, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 196, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 196, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 196, 153);  
box-shadow:4px 4px 4px 4px rgb(222, 196,  
153) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.6139, 57.3094, 38.2676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 196, 153) }
```

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

```
.background{ background-color: rgb(222,  
196, 153) }
```

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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