

# Converting Colors

XYZ(57.4850, 56.3902, 33.3126)

Have a look what the booklet for  
XYZ(57.4850, 56.3902, 33.3126)  
contains.

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# **Color**

**XYZ(57.5569, 56.4421,  
33.4520)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBBE8E
RGB	235, 190, 142
RGB Percent	92%, 75%, 56%
CMY	0.0784, 0.2549, 0.4431
CMYK	0.00, 0.19, 0.40, 0.08
HSL	31°, 70%, 74%
HSV	31°, 40%, 92%
XYZ	57.5569, 56.4421, 33.4520
YIQ	197.9830, 42.2280, -5.3880

# Conversions

## Conversions Part 2

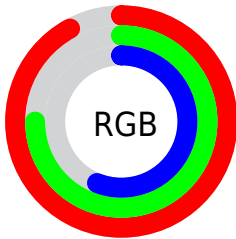
Format	Color
R <sub>Y</sub> B	229, 235, 142
Decimal	15449742
CIE Lab	79.86, 9.81, 30.33
CIE LCh	80, 31.876, 72.085
Yxy	56.4421, 0.3903, 0.3828
Android (android.graphics.Color)	4293639822 (0xFFEBBE8E)
YUV	197.9830, -27.5996, 32.4639
Hunter-Lab	75.1280, 5.2782, 26.1897

# Details

The XYZ color **57.5569, 56.4421, 33.4520** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **43.9204, 47.2878, 85.4098**, and the grayscale version is **53.8119, 56.6143, 61.6530**.

A 20% lighter version of the original color is **84.1596, 91.1571, 65.3839**, and **29.1941, 28.1116, 13.7849** is the 20% darker color. If you saturate the color by 10%, you get **53.6082, 51.0768, 24.3296**, and if you desaturate by 10%, it is **62.0726, 62.3458, 44.5996**.

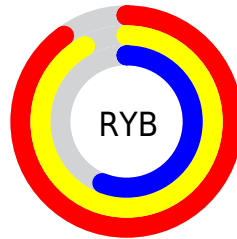
# Distribution



Red (92%)

Green (75%)

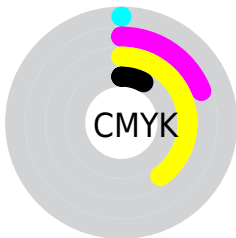
Blue (56%)



Red (90%)

Yellow (92%)

Blue (56%)

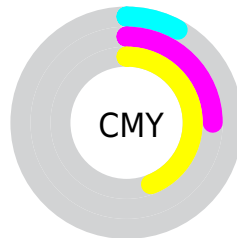


Cyan (0%)

Magenta (19%)

Yellow (40%)

Black (8%)



Cyan (8%)

Magenta (25%)


Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.5569, 56.4421, 33.4520 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 57.5569, 56.4421, 33.4520 by changing the saturation by 10% instead.





 57.5569, 56.4421,  
33.4520

 57.5569, 56.4421,  
33.4520


405.5133,  
411.3555, 332.3758

 41.6944, 40.5575,  
22.1990

 100.4040, 99.6507,  
66.2047

 29.0521, 27.9735,  
13.8035


 128.1193,  
127.7434, 88.5415

 19.2647, 18.3057,  
7.8469


160.5163,  
160.6744, 115.4099

 11.9669, 11.1697,  
3.9108

197.9603,  
198.8279, 147.2285

 6.7932, 6.1811,  
1.5765

240.8166,  
242.5883, 184.4159

 3.3783, 2.9555,  
0.2740

289.4507,

 1.3568, 1.1085,

292.3402, 227.3905

0.0000

344.2278,  
348.4678, 276.5710

■ 0.2251, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.5569, 56.4421,  
33.4520

■ 57.5569, 56.4421,  
33.4520

■ 53.6082, 51.0768,  
24.3296

■ 62.0726, 62.3458,  
44.5996

■ 50.1942, 46.2237,  
17.1034

■ 67.1767, 68.7968,  
57.8836

■ 47.2857, 41.8660,  
11.6347

■ 72.8946, 75.8141,  
73.4113

■ 44.8478, 37.9823,  
7.7641

■ 79.2488, 83.4129,  
91.2816

■ 42.8402, 34.5486,  
5.3024

■ 85.5271, 91.3145,  
107.7255

■ 41.2000, 31.5315,  
3.9435

■ 88.0709, 96.4022,  
108.5734

■ 41.1353, 31.4108,  
3.8948

# Harmonies

## Analogous

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



63.3982, 56.4421, 40.5724



57.5569, 56.4421, 33.4520



51.0890, 56.4421, 32.8319

# Triad

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



57.5569, 56.4421, 33.4520



42.3991, 56.4421, 69.2047



62.4053, 56.4421, 91.8014

# Complementary

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



57.5569, 56.4421, 33.4520



43.9204, 47.2878, 85.4098

# 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.



56.2880, 56.4421, 103.1934



57.5569, 56.4421, 33.4520



44.9499, 56.4421, 88.5001

# Square

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



57.5569, 56.4421, 33.4520



42.6791, 56.4421, 51.1544



49.9174, 56.4421, 101.8767



66.3482, 56.4421, 73.0550



# Rectangle

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



57.5569, 56.4421, 33.4520



47.3183, 56.4421, 35.9846



49.9174, 56.4421, 101.8767



60.5152, 56.4421, 96.7722

# Sweetspot

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



57.5583, 56.4448, 33.4531



85.9665, 89.0988, 83.4726



53.0654, 40.6611, 52.9120



18.2031, 18.8300, 17.3273



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.



57.5583, 56.4448, 33.4531



65.5934, 62.9528, 31.6710



68.8518, 79.0318, 37.2176



15.7086, 16.3401, 15.8448



23.0222, 17.7387, 2.2105



1.9041, 1.5855, 0.2057



# Inverse Universe

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



43.9204, 47.2878, 85.4098



47.1657, 50.5830, 101.8853



35.8243, 31.0956, 82.7111



14.8327, 15.7518, 19.1809



11.8021, 10.2513, 45.0996

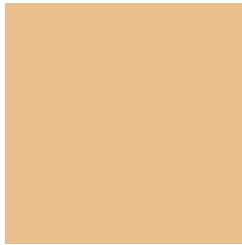


1.0227, 0.9969, 3.5734



# Previews

## White Background



This preview shows how the XYZ color 57.5569, 56.4421, 33.4520 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 57.5569, 56.4421, 33.4520 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

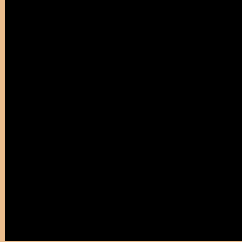
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 57.5569, 56.4421, 33.4520

## Background



This preview shows how black text looks on a background with the XYZ color 57.5569, 56.4421, 33.4520.



This preview shows how white text looks on a background with the XYZ color 57.5569, 56.4421,

33.4520.

# 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

57.5569, 56.4421, 33.4520

### Protanopia

52.7455, 56.5786, 34.9288

### Deuteranopia

57.5569, 56.4421, 33.4520



## Tritanopia

63.2872, 56.5990, 60.4124

# Trichromacy



**Original Color**

57.5569, 56.4421, 33.4520

**Protanomaly**

54.3679, 56.4160, 34.4094

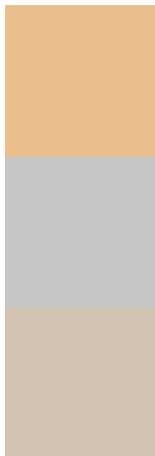
**Deuteranomaly**

57.5569, 56.4421, 33.4520

**Tritanomaly**

61.0913, 56.6429, 49.3083

# Monochromacy



**Original Color**

57.5569, 56.4421, 33.4520

**Achromatopsia**

53.6758, 56.4712, 61.4971

**Achromatomaly**

54.4150, 56.0934, 50.0786

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.5569, 56.4421, 33.4520 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(235, 190, 142)` looks like.

```
.text, #text, p{  
    color:rgb(235, 190, 142)  
}
```

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(235, 190, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 190, 142) }
```

## Border

The CSS property to change the border of an element to XYZ 57.5569, 56.4421, 33.4520 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(235, 190, 142) }
```



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

```
.border{ border-color:rgb(235, 190, 142) }
```

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

Here you see how a box with a 4 pixel rgb(235, 190, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 190, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 190, 142);  
box-shadow:4px 4px 4px 4px rgb(235, 190,  
142) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.5569, 56.4421, 33.4520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 190, 142) }
```

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

```
.background{ background-color: rgb(235,  
190, 142) }
```

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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