

# Converting Colors

XYZ(55.8992, 57.6410, 28.6438)

Have a look what the booklet for  
XYZ(55.8992, 57.6410, 28.6438)  
contains.

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# Color

**XYZ(55.9493, 57.6964,  
28.6097)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5C480
RGB	229, 196, 128
RGB Percent	90%, 77%, 50%
CMY	0.1020, 0.2313, 0.4980
CMYK	0.00, 0.14, 0.44, 0.10
HSL	40°, 66%, 70%
HSV	40°, 44%, 90%
XYZ	55.9493, 57.6964, 28.6097
YIQ	198.1150, 41.4960, -14.1520

# Conversions

## Conversions Part 2

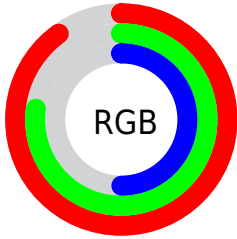
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">177, 229, 128</a>
Decimal	<a href="#">15058048</a>
CIELab	<a href="#">80.57, 2.79, 38.40</a>
CIElCh	<a href="#">81, 38.501, 85.843</a>
Yxy	<a href="#">57.6964, 0.3933, 0.4056</a>
Android (android.graphics.Color)	<a href="#">4293248128 (0xFFE5C480)</a>
YUV	<a href="#">198.1150, -34.5667, 27.0861</a>
Hunter-Lab	<a href="#">75.9581, -1.4471, 30.8391</a>

# Details

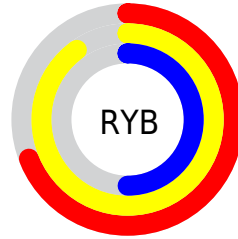
The XYZ color **55.9493, 57.6964, 28.6097** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **35.7893, 35.7347, 79.1398**, and the grayscale version is **53.9336, 56.7424, 61.7924**.

A 20% lighter version of the original color is **84.4939, 94.2582, 57.9963**, and **28.0258, 28.6525, 11.0745** is the 20% darker color. If you saturate the color by 10%, you get **52.9637, 53.8712, 20.9988**, and if you desaturate by 10%, it is **59.3621, 61.8314, 38.0423**.

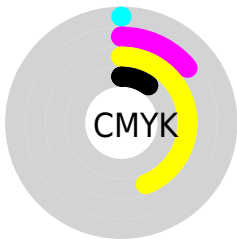
# Distribution



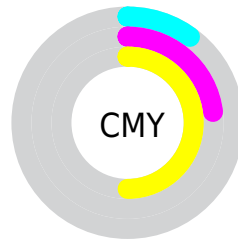
- Red (90%)
- Green (77%)
- Blue (50%)



- Red (69%)
- Yellow (90%)
- Blue (50%)



- Cyan (0%)
- Magenta (14%)
- Yellow (44%)
- Black (10%)




- Cyan (10%)
- Magenta (23%)
- Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.9493, 57.6964, 28.6097 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 55.9493, 57.6964, 28.6097 by changing the saturation by 10% instead.





 55.9493, 57.6964,  
28.6097


 55.9493, 57.6964,  
28.6097


399.5785,  
416.0537, 309.3720


 40.3991, 41.5646,  
18.5427


 98.0707, 101.4806,  
58.4912

 28.0355, 28.7605,  
11.1669


 125.3726,  
129.9018, 79.1427

 18.4930, 18.8997,  
6.0636


 157.3225,  
163.1883, 104.1596

 11.4063, 11.5979,  
2.8144

194.2856,  
201.7245, 133.9603

 6.4101, 6.4705,  
1.0007

236.6275,  
245.8947, 168.9633

 3.1390, 3.1332,  
0.0000

284.7133,

 1.2277, 1.2017,

296.0834, 209.5873

0.0000

338.9086,  
352.6749, 256.2507

■ 0.1281, 0.0631,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 55.9493, 57.6964,  
28.6097

■ 55.9493, 57.6964,  
28.6097

■ 52.9637, 53.8712,  
20.9988

■ 59.3621, 61.8314,  
38.0423

■ 50.3766, 50.3360,  
15.0837


■ 63.2200, 66.2788,  
49.4043


■ 48.1621, 47.0805,  
10.7279


■ 67.5449, 71.0514,  
62.7987


■ 46.2888, 44.0902,  
7.7720


■ 72.3558, 76.1587,  
78.3205


 44.7187, 41.3478,  
6.0220

 77.6708, 81.6096,  
96.0587

 43.9001, 39.8321,  
5.3746

 81.7862, 86.7244,  
107.0366

 84.0450, 91.2420,  
107.7896

 86.1230, 95.3980,  
108.4822

# Harmonies

## Analogous

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



63.8340, 57.6964, 33.2193



55.9493, 57.6964, 28.6097



48.4694, 57.6964, 31.1958

# Triad

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



55.9493, 57.6964, 28.6097



42.2519, 57.6964, 83.7974



68.4191, 57.6964, 90.6050

# Complementary

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



55.9493, 57.6964, 28.6097



35.7893, 35.7347, 79.1398

# 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.



61.7428, 57.6964, 110.7727



55.9493, 57.6964, 28.6097



46.7308, 57.6964, 106.2250

# Square

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



55.9493, 57.6964, 28.6097



41.0188, 57.6964, 59.7148



53.7429, 57.6964, 117.0825



71.4589, 57.6964, 66.0343



# Rectangle

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



55.9493, 57.6964, 28.6097



44.6300, 57.6964, 37.0900



53.7429, 57.6964, 117.0825



66.4963, 57.6964, 98.3343

# Sweetspot

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



55.9507, 57.6991, 28.6109



86.8068, 91.3300, 82.0551



46.5245, 34.6937, 38.2723



18.3036, 19.2490, 16.6882



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.



55.9507, 57.6991, 28.6109



67.8780, 69.1262, 27.4867



59.1151, 71.6189, 31.1309



15.1840, 15.9819, 15.1890



25.2141, 23.0024, 3.1110



1.9470, 1.8674, 0.2578



# Inverse Universe

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



35.7893, 35.7347, 79.1398



39.0505, 37.7535, 99.8367



33.5102, 27.1007, 77.5934



13.9654, 14.6522, 18.2364



9.6150, 6.2921, 43.0909



0.7928, 0.6295, 3.2117



# Previews

## White Background



This preview shows how the XYZ color 55.9493, 57.6964, 28.6097 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 55.9493, 57.6964, 28.6097 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 55.9493, 57.6964, 28.6097**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.9493, 57.6964, 28.6097.



This preview shows how white text looks on a background with the XYZ color 55.9493, 57.6964,



# 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

55.9493, 57.6964, 28.6097

### Protanopia

53.5970, 57.8257, 29.4557

### Deuteranopia

58.8689, 57.5474, 28.7739



## Tritanopia

62.9050, 57.5906, 63.0590

# Trichromacy



## Original Color

55.9493, 57.6964, 28.6097

## Protanomaly

54.5101, 57.9614, 29.0836

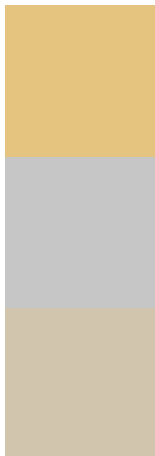
## Deuteranomaly

57.9575, 57.7294, 28.8571

## Tritanomaly

59.6577, 57.2065, 47.9421

# Monochromacy



## Original Color

55.9493, 57.6964, 28.6097

## Achromatopsia

53.6758, 56.4712, 61.4971

## Achromatomaly

53.8036, 56.5049, 47.6060

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.9493, 57.6964, 28.6097 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(229, 196, 128)` looks like.

```
.text, #text, p{  
    color:rgb(229, 196, 128)  
}
```

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(229, 196, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 196, 128) }
```

## Border

The CSS property to change the border of an element to XYZ 55.9493, 57.6964, 28.6097 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(229, 196, 128) }
```



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

```
.border{ border-color:rgb(229, 196, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 196, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 196, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 196, 128);  
box-shadow:4px 4px 4px 4px rgb(229, 196,  
128) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.9493, 57.6964, 28.6097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 196, 128) }
```

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

```
.background{ background-color: rgb(229,  
196, 128) }
```

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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