

# Converting Colors

XYZ(55.9141, 58.5739, 28.6432)

Have a look what the booklet for  
XYZ(55.9141, 58.5739, 28.6432)  
contains.

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# Color

**XYZ(55.9983, 58.7363,  
28.8079)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3C780
RGB	227, 199, 128
RGB Percent	89%, 78%, 50%
CMY	0.1098, 0.2196, 0.4980
CMYK	0.00, 0.12, 0.44, 0.11
HSL	43°, 64%, 70%
HSV	43°, 44%, 89%
XYZ	55.9983, 58.7363, 28.8079
YIQ	199.2780, 39.4790, -16.1450

# Conversions

## Conversions Part 2

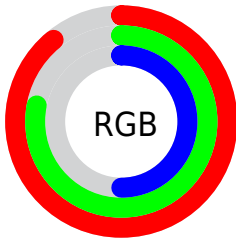
<b>Format</b>	<b>Color</b>
<b>RYB</b>	167, 227, 128
Decimal	14927744
CIELab	81.15, 0.43, 39.10
CIELCh	81, 39.101, 89.373
Yxy	58.7363, 0.3901, 0.4092
Android (android.graphics.Color)	4293117824 (0xFFE3C780)
YUV	199.2780, -35.1401, 24.3122
Hunter-Lab	76.6396, -3.6946, 31.3613

# Details

The XYZ color **55.9983, 58.7363, 28.8079** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **34.6553, 33.9110, 77.3919**, and the grayscale version is **54.6492, 57.4953, 62.6123**.

A 20% lighter version of the original color is **85.4435, 96.1574, 58.3128**, and **28.0425, 29.3327, 11.2049** is the 20% darker color. If you saturate the color by 10%, you get **53.2227, 55.3146, 21.3178**, and if you desaturate by 10%, it is **59.1734, 62.4218, 38.0813**.

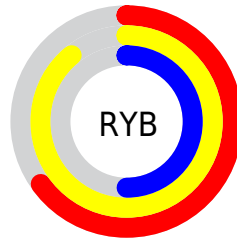
# Distribution



Red (89%)

Green (78%)

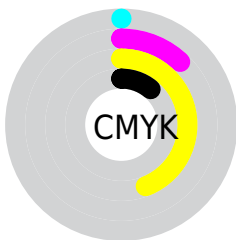
Blue (50%)



Red (65%)

Yellow (89%)

Blue (50%)

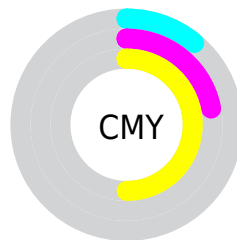


Cyan (0%)

Magenta (12%)

Yellow (44%)

Black (11%)



Cyan (11%)

Magenta (22%)

Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.9983, 58.7363, 28.8079 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 55.9983, 58.7363, 28.8079 by changing the saturation by 10% instead.



■ 55.9983, 58.7363,  
28.8079

■ 55.9983, 58.7363,  
28.8079

399.7602,  
419.9240, 310.3400

■ 40.4386, 42.4009,  
18.6912

■ 98.1419, 102.9943,  
58.8103

■ 28.0664, 29.4153,  
11.2728

■ 125.4565,  
131.6857, 79.5331

■ 18.5164, 19.3952,  
6.1342

■ 157.4201,  
165.2645, 104.6283

■ 11.4233, 11.9562,  
2.8567

194.3980,  
204.1151, 134.5145

■ 6.4217, 6.7139,  
1.0220

236.7556,  
248.6220, 169.6102

■ 3.1462, 3.2838,  
0.0000

284.8583,

■ 1.2316, 1.2816,

299.1695, 210.3340

0.0000

339.0714,  
356.1421, 257.1045

■ 0.1311, 0.1269,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 55.9983, 58.7363,  
28.8079

■ 55.9983, 58.7363,  
28.8079

■ 53.2227, 55.3146,  
21.3178

■ 59.1734, 62.4218,  
38.0813

■ 50.8189, 52.1380,  
15.4885


■ 62.7648, 66.3725,  
49.2426


■ 48.7622, 49.1974,  
11.1874


■ 66.7936, 70.6003,  
62.3924


■ 47.0226, 46.4796,  
8.2601


■ 71.2779, 75.1135,  
77.6229


 45.5637, 43.9689,  
6.5189


 76.2350, 79.9200,  
95.0210

 44.7421, 42.4580,  
5.8370

 80.1634, 84.4206,  
106.6775

 82.0607, 88.2153,  
107.3099

 84.0254, 92.1446,  
107.9648

 85.4885, 95.0709,  
108.4525

# Harmonies

## Analogous

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



64.1795, 58.7363, 32.6358



55.9983, 58.7363, 28.8079



48.5020, 58.7363, 32.3240

# Triad

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



55.9983, 58.7363, 28.8079



43.2772, 58.7363, 88.5350



70.3952, 58.7363, 89.5931

# Complementary

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



55.9983, 58.7363, 28.8079



34.6553, 33.9110, 77.3919

# 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.



63.8549, 58.7363, 111.4649



55.9983, 58.7363, 28.8079



48.2327, 58.7363, 110.7570

# Square

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



55.9983, 58.7363, 28.8079



41.6034, 58.7363, 63.4653



55.6562, 58.7363, 120.0098



72.9713, 58.7363, 64.4449



# Rectangle

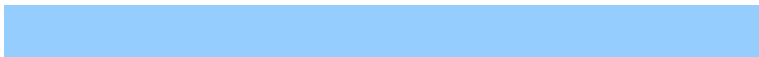
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55.9983, 58.7363, 28.8079



44.7786, 58.7363, 38.9983



55.6562, 58.7363, 120.0098



68.5580, 58.7363, 97.7756

# Sweetspot

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



55.9997, 58.7390, 28.8091



87.2469, 92.2102, 82.2018



45.4031, 34.1718, 35.6782



18.4128, 19.4674, 16.7246



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.



55.9997, 58.7390, 28.8091



69.7207, 72.5611, 28.8736



56.6944, 69.5542, 30.8600



15.2391, 16.0922, 15.2074



26.1975, 24.9691, 3.4388



2.0138, 2.0009, 0.2801



# Inverse Universe

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



34.6553, 33.9110, 77.3919



38.6855, 36.4923, 99.6125



34.0616, 27.4171, 76.1698



13.9130, 14.5474, 18.2190



9.2472, 5.5565, 42.9683



0.7603, 0.5645, 3.2009



# Previews

## White Background



This preview shows how the XYZ color 55.9983, 58.7363, 28.8079 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

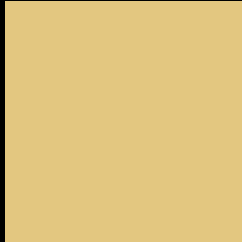
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.9983, 58.7363, 28.8079 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 55.9983, 58.7363, 28.8079**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.9983, 58.7363, 28.8079.



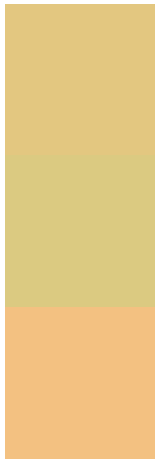
This preview shows how white text looks on a background with the XYZ color 55.9983, 58.7363,



# 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

55.9983, 58.7363, 28.8079

### Protanopia

54.2964, 58.8861, 29.2733

### Deuteranopia

59.9946, 58.7796, 28.9524



## Tritanopia

63.5735, 58.8487, 65.1350

# Trichromacy



## Original Color

55.9983, 58.7363, 28.8079

## Protanomaly

54.9733, 58.8879, 29.2380

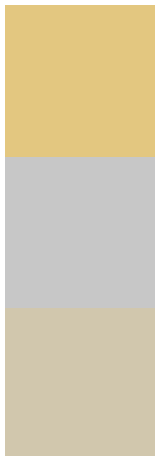
## Deuteranomaly

58.4026, 58.6197, 29.0055

## Tritanomaly

60.1851, 58.4303, 49.1804

# Monochromacy



## Original Color

55.9983, 58.7363, 28.8079

## Achromatopsia

54.2854, 57.1125, 62.1955

## Achromatomaly

54.2607, 57.4193, 47.7583

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.9983, 58.7363, 28.8079 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(227, 199, 128)` looks like.

```
.text, #text, p{  
    color:rgb(227, 199, 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(227, 199, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 199, 128) }
```

## Border

The CSS property to change the border of an element to XYZ 55.9983, 58.7363, 28.8079 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(227, 199, 128) }
```



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

```
.border{ border-color:rgb(227, 199, 128) }
```

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

Here you see how a box with a 4 pixel rgb(227, 199, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 199, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 199, 128);  
box-shadow:4px 4px 4px 4px rgb(227, 199,  
128) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.9983, 58.7363, 28.8079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 199, 128) }
```

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

```
.background{ background-color: rgb(227,  
199, 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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