

# Converting Colors

XYZ(56.0577, 58.8315, 29.7055)

Have a look what the booklet for  
XYZ(56.0577, 58.8315, 29.7055)  
contains.

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# Color

**XYZ(55.8842, 58.6543,  
29.8487)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2C783
RGB	226, 199, 131
RGB Percent	89%, 78%, 51%
CMY	0.1137, 0.2196, 0.4863
CMYK	0.00, 0.12, 0.42, 0.11
HSL	43°, 62%, 70%
HSV	43°, 42%, 89%
XYZ	55.8842, 58.6543, 29.8487
YIQ	199.3210, 37.9200, -15.4240

# Conversions

## Conversions Part 2

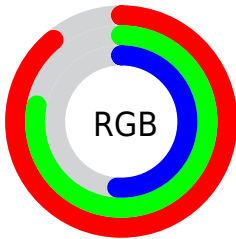
Format	Color
<a href="#">RYB</a>	<a href="#">169, 226, 131</a>
Decimal	<a href="#">14862211</a>
CIELab	<a href="#">81.10, 0.34, 37.49</a>
CIElCh	<a href="#">81, 37.495, 89.484</a>
Yxy	<a href="#">58.6543, 0.3870, 0.4062</a>
Android (android.graphics.Color)	<a href="#">4293052291 (0xFFE2C783)</a>
YUV	<a href="#">199.3210, -33.6823, 23.3975</a>
Hunter-Lab	<a href="#">76.5861, -3.7758, 30.5026</a>

# Details

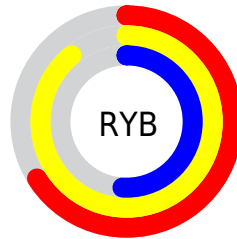
The XYZ color **55.8842, 58.6543, 29.8487** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **35.3140, 34.7688, 76.8012**, and the grayscale version is **54.6676, 57.5146, 62.6334**.

A 20% lighter version of the original color is **85.7570, 96.2828, 59.9635**, and **27.9356, 29.2650, 11.7658** is the 20% darker color. If you saturate the color by 10%, you get **53.0704, 55.2163, 22.1605**, and if you desaturate by 10%, it is **59.0974, 62.3562, 39.3195**.

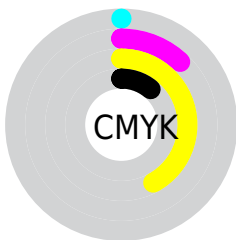
# Distribution



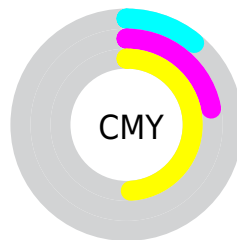
- Red (89%)
- Green (78%)
- Blue (51%)



- Red (66%)
- Yellow (89%)
- Blue (51%)



- Cyan (0%)
- Magenta (12%)
- Yellow (42%)
- Black (11%)



- Cyan (11%)
- Magenta (22%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.8842, 58.6543, 29.8487 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 55.8842, 58.6543, 29.8487 by changing the saturation by 10% instead.



■ 55.8842, 58.6543,  
29.8487

■ 55.8842, 58.6543,  
29.8487

399.3371,  
419.6196, 315.3839

■ 40.3467, 42.3349,  
19.4727

■ 97.9760, 102.8751,  
60.4810

■ 27.9944, 29.3636,  
11.8321

■ 125.2611,  
131.5452, 81.5744

■ 18.4619, 19.3561,  
6.5083

■ 157.1928,  
165.1010, 107.0773

■ 11.3838, 11.9278,  
3.0828

194.1363,  
203.9270, 137.4083

■ 6.3948, 6.6946,  
1.1371

236.4572,  
248.4074, 172.9859

■ 3.1295, 3.2718,  
0.0000

284.5207,

■ 1.2226, 1.2752,

298.9267, 214.2287

0.0000

338.6922,  
355.8693, 261.5552

■ 0.1241, 0.1219,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 55.8842, 58.6543,  
29.8487

■ 55.8842, 58.6543,  
29.8487

■ 53.0704, 55.2163,  
22.1605

■ 59.0974, 62.3562,  
39.3195

■ 50.6288, 52.0236,  
16.1355


■ 62.7264, 66.3231,  
50.6748


■ 48.5357, 49.0676,  
11.6452


■ 66.7917, 70.5668,  
64.0128


■ 46.7620, 46.3354,  
8.5406


■ 71.3112, 75.0954,  
79.4241


 45.2730, 43.8119,  
6.6428


 76.3016, 79.9169,  
96.9935

 44.2458, 41.9323,  
5.7617

 79.8540, 84.2686,  
106.6645

 81.7524, 88.0655,  
107.2973

 83.7181, 91.9969,  
107.9525

 85.1740, 94.9087,  
108.4378

# Harmonies

## Analogous

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



63.7084, 58.6543, 33.5720



55.8842, 58.6543, 29.8487



48.6953, 58.6543, 33.3210

# Triad

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



55.8842, 58.6543, 29.8487



43.6974, 58.6543, 87.3973



69.6784, 58.6543, 88.2249

# Complementary

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



55.8842, 58.6543, 29.8487



35.3140, 34.7688, 76.8012

# 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.



63.4533, 58.6543, 108.9724



55.8842, 58.6543, 29.8487



48.4820, 58.6543, 108.4215

# Square

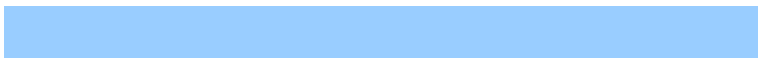
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



55.8842, 58.6543, 29.8487



42.0690, 58.6543, 63.4789



55.6143, 58.6543, 117.0990



72.1135, 58.6543, 64.2518



# Rectangle

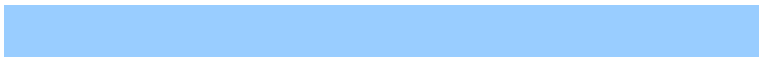
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55.8842, 58.6543, 29.8487



45.1170, 58.6543, 39.8472



55.6143, 58.6543, 117.0990



67.9328, 58.6543, 95.9940

# Sweetspot

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



55.8856, 58.6570, 29.8499



87.2330, 92.1824, 82.1972



45.7822, 34.9225, 37.3572



18.4093, 19.4605, 16.7235



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.



55.8856, 58.6570, 29.8499



70.3751, 73.3487, 30.6985



57.0254, 69.2969, 31.8435



14.5255, 15.3369, 14.5015



25.3480, 24.1340, 3.3223



1.8320, 1.8229, 0.2553



# Inverse Universe

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



35.3140, 34.7688, 76.8012



40.1042, 38.2248, 99.8721



34.4220, 28.2083, 75.5820



13.2676, 13.8744, 17.3664



8.9720, 5.4136, 41.6204



0.6968, 0.5250, 2.9099



# Previews

## White Background



This preview shows how the XYZ color 55.8842, 58.6543, 29.8487 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

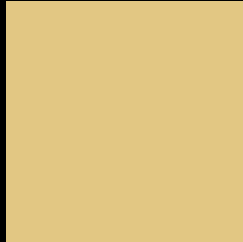
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.8842, 58.6543, 29.8487 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 55.8842, 58.6543, 29.8487**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.8842, 58.6543, 29.8487.



This preview shows how white text looks on a background with the XYZ color 55.8842, 58.6543,



# 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

55.8842, 58.6543, 29.8487

### Protanopia

54.2649, 58.4993, 30.2612

### Deuteranopia

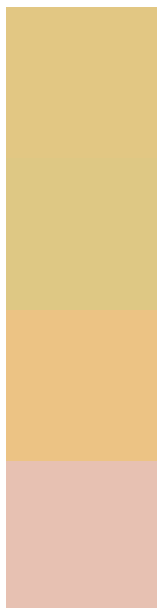
59.8528, 58.6831, 30.0022



## Tritanopia

63.3646, 58.7271, 65.7534

# Trichromacy



## Original Color

55.8842, 58.6543, 29.8487

## Protanomaly

54.9433, 58.5041, 30.2264

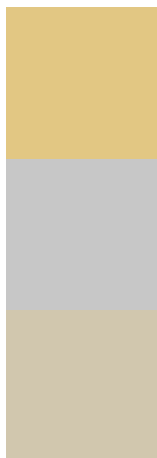
## Deuteranomaly

58.2720, 58.5290, 30.0558

## Tritanomaly

60.0608, 58.3432, 50.2153

# Monochromacy



## Original Color

55.8842, 58.6543, 29.8487

## Achromatopsia

54.2854, 57.1125, 62.1955

## Achromatomaly

54.3579, 57.4581, 48.2700

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.8842, 58.6543, 29.8487 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(226, 199, 131)` looks like.

```
.text, #text, p{  
    color:rgb(226, 199, 131)  
}
```

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(226, 199, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 199, 131) }
```

## Border

The CSS property to change the border of an element to XYZ 55.8842, 58.6543, 29.8487 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(226, 199, 131) }
```



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

```
.border{ border-color:rgb(226, 199, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 199, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 199, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 199, 131);  
box-shadow:4px 4px 4px 4px rgb(226, 199,  
131) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.8842, 58.6543, 29.8487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 199, 131) }
```

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

```
.background{ background-color: rgb(226,  
199, 131) }
```

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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