

# Converting Colors

XYZ(56.0657, 59.5834, 30.5929)

Have a look what the booklet for  
XYZ(56.0657, 59.5834, 30.5929)  
contains.

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# **Color**

**XYZ(55.8608, 59.3140,  
30.6949)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0C985
RGB	224, 201, 133
RGB Percent	88%, 79%, 52%
CMY	0.1216, 0.2117, 0.4784
CMYK	0.00, 0.10, 0.41, 0.12
HSL	45°, 59%, 70%
HSV	45°, 41%, 88%
XYZ	55.8608, 59.3140, 30.6949
YIQ	200.1250, 35.5360, -16.2720

# Conversions

## Conversions Part 2

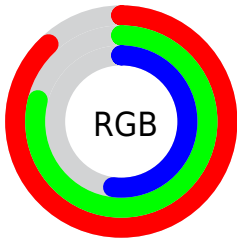
<b>Format</b>	<b>Color</b>
<b>RYB</b>	164, 224, 133
Decimal	14731653
CIELab	81.46, -1.28, 36.90
CIELCh	81, 36.924, 91.993
Yxy	59.3140, 0.3829, 0.4066
Android (android.graphics.Color)	4292921733 (0xFFE0C985)
YUV	200.1250, -33.0926, 20.9384
Hunter-Lab	77.0156, -5.3080, 30.2806

# Details

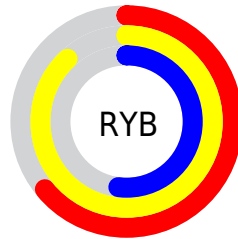
The XYZ color **55.8608, 59.3140, 30.6949** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **35.0157, 34.1444, 75.2661**, and the grayscale version is **55.1602, 58.0328, 63.1977**.

A 20% lighter version of the original color is **85.9696, 96.3679, 61.0835**, and **27.8931, 29.6921, 12.2437** is the 20% darker color. If you saturate the color by 10%, you get **53.1805, 56.1714, 22.9636**, and if you desaturate by 10%, it is **58.9227, 62.6914, 40.1828**.

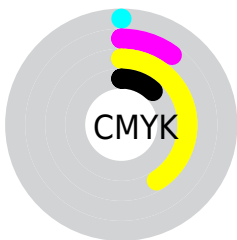
# Distribution



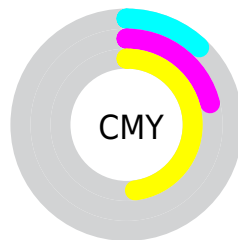
- Red (88%)
- Green (79%)
- Blue (52%)



- Red (64%)
- Yellow (88%)
- Blue (52%)



- Cyan (0%)
- Magenta (10%)
- Yellow (41%)
- Black (12%)



- Cyan (12%)
- Magenta (21%)
- Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.8608, 59.3140, 30.6949 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 55.8608, 59.3140, 30.6949 by changing the saturation by 10% instead.



■ 55.8608, 59.3140,  
30.6949

■ 55.8608, 59.3140,  
30.6949

399.2502,  
422.0646, 319.4378

■ 40.3279, 42.8659,  
20.1101

■ 97.9420, 103.8339,  
61.8333

■ 27.9796, 29.7799,  
12.2902

■ 125.2210,  
132.6745, 83.2241

■ 18.4507, 19.6716,  
6.8167

■ 157.1461,  
166.4148, 109.0539

■ 11.3757, 12.1566,  
3.2710

194.0827,  
205.4391, 139.7413

■ 6.3893, 6.8504,  
1.2346

236.3960,  
250.1318, 175.7048

■ 3.1261, 3.3687,  
0.0073

284.4514,

■ 1.2208, 1.3271,

300.8774, 217.3631

0.0000

338.6144,  
358.0602, 265.1346

■ 0.1227, 0.1621,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 55.8608, 59.3140,  
30.6949

■ 55.8608, 59.3140,  
30.6949

■ 53.1805, 56.1714,  
22.9636

■ 58.9227, 62.6914,  
40.1828

■ 50.8557, 53.2458,  
16.8736


■ 62.3817, 66.3040,  
51.5255


■ 48.8637, 50.5296,  
12.3015


■ 66.2574, 70.1628,  
64.8182


■ 47.1770, 48.0107,  
9.1049


■ 70.5671, 74.2753,  
80.1485


 45.7628, 45.6752,  
7.1138


 75.3267, 78.6488,  
97.5986

 44.6321, 43.6304,  
6.0691

 78.4896, 82.4654,  
106.3883

 80.1358, 85.7578,  
106.9371

 81.8340, 89.1543,  
107.5031

 83.5848, 92.6558,  
108.0867

# Harmonies

## Analogous

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



63.6487, 59.3140, 33.8158



55.8608, 59.3140, 30.6949



48.8614, 59.3140, 34.7868

# Triad

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



55.8608, 59.3140, 30.6949



44.6851, 59.3140, 89.8666



70.5455, 59.3140, 86.7082

# Complementary

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



55.8608, 59.3140, 30.6949



35.0157, 34.1444, 75.2661

# 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.



64.6245, 59.3140, 107.8367



55.8608, 59.3140, 30.6949



49.6798, 59.3140, 109.9339

# Square

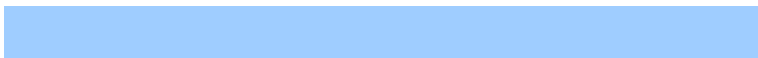
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



55.8608, 59.3140, 30.6949



42.7866, 59.3140, 66.0747



56.8947, 59.3140, 117.1578



72.5757, 59.3140, 63.1136



# Rectangle

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



55.8608, 59.3140, 30.6949



45.4557, 59.3140, 41.7550



56.8947, 59.3140, 117.1578



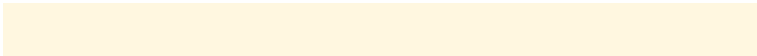
68.9190, 59.3140, 94.5047

# Sweetspot

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



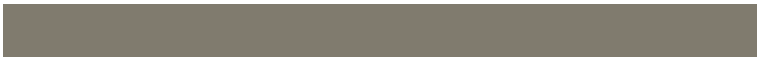
55.8623, 59.3167, 30.6961



88.0915, 93.3489, 84.1810



45.2371, 35.0665, 36.4028



18.7042, 19.8320, 17.4943



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.



55.8623, 59.3167, 30.6961



71.7743, 75.8763, 31.9994



55.4548, 67.6688, 32.3297



14.5632, 15.4123, 14.5141



26.0753, 25.5885, 3.5648



1.8774, 1.9137, 0.2704



# Inverse Universe

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



35.0157, 34.1444, 75.2661



40.1178, 37.6782, 99.7659



35.2136, 29.0506, 74.2725



13.2321, 13.8033, 17.3546



8.7495, 4.9685, 41.5462



0.6773, 0.4860, 2.9034



# Previews

## White Background



This preview shows how the XYZ color 55.8608, 59.3140, 30.6949 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

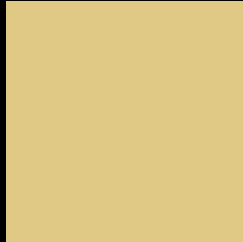
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.8608, 59.3140, 30.6949 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

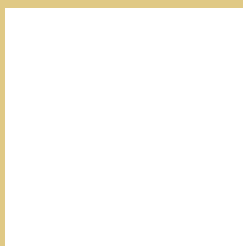
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 55.8608, 59.3140, 30.6949**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.8608, 59.3140, 30.6949.



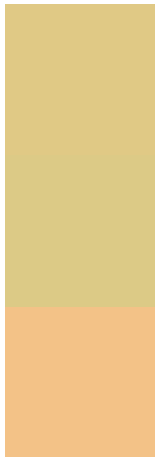
This preview shows how white text looks on a background with the XYZ color 55.8608, 59.3140,



# 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

55.8608, 59.3140, 30.6949

### Protanopia

54.9388, 59.1779, 31.0812

### Deuteranopia

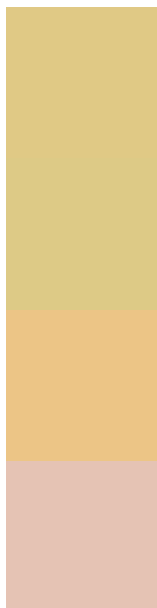
60.6271, 59.3875, 31.1892



## Tritanopia

63.3908, 59.3601, 67.1481

# Trichromacy



## Original Color

55.8608, 59.3140, 30.6949

## Protanomaly

55.2424, 59.3344, 31.0954

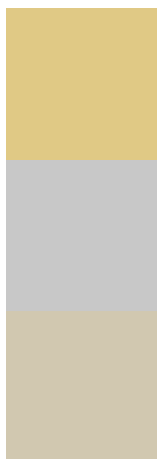
## Deuteranomaly

58.8614, 59.4866, 30.9340

## Tritanomaly

60.0664, 58.9835, 51.3991

# Monochromacy



## Original Color

55.8608, 59.3140, 30.6949

## Achromatopsia

54.8990, 57.7580, 62.8985

## Achromatomaly

54.7852, 57.9985, 49.3816

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.8608, 59.3140, 30.6949 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(224, 201, 133)` looks like.

```
.text, #text, p{  
    color:rgb(224, 201, 133)  
}
```

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(224, 201, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 201, 133) }
```

## Border

The CSS property to change the border of an element to XYZ 55.8608, 59.3140, 30.6949 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(224, 201, 133) }
```



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

```
.border{ border-color:rgb(224, 201, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 201, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(224, 201, 133); -webkit-box-shadow:4px 4px 4px 4px rgb(224, 201, 133); box-shadow:4px 4px 4px 4px rgb(224, 201, 133) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.8608, 59.3140, 30.6949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 201, 133) }
```

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

```
.background{ background-color: rgb(224,  
201, 133) }
```

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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