

# Converting Colors

XYZ(56.8149, 69.5531, 33.7232)

Have a look what the booklet for  
XYZ(56.8149, 69.5531, 33.7232)  
contains.

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# Color

**XYZ(56.8149, 69.5531,  
33.7232)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCE388
RGB	204, 227, 136
RGB Percent	80%, 89%, 53%
CMY	0.2000, 0.1098, 0.4667
CMYK	0.10, 0.00, 0.40, 0.11
HSL	75°, 62%, 71%
HSV	75°, 40%, 89%
XYZ	56.8149, 69.5531, 33.7232
YIQ	209.7490, 15.5030, -33.1770

# Conversions

## Conversions Part 2

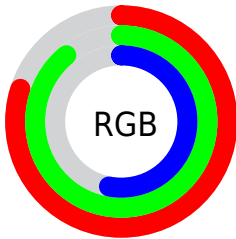
Format	Color
<b>RYB</b>	136, 227, 159
Decimal	13427592
CIELab	86.78, -21.82, 41.88
CIElCh	87, 47.226, 117.512
Yxy	69.5531, 0.3549, 0.4345
Android (android.graphics.Color)	4291617672 (0xFFCCE388)
YUV	209.7490, -36.3583, -5.0419
Hunter-Lab	83.3985, -24.3450, 34.4043

# Details

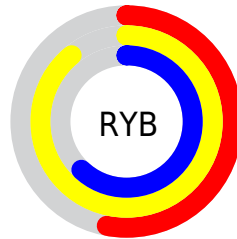
The XYZ color **56.8149, 69.5531, 33.7232** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **36.9700, 30.5271, 76.6208**, and the grayscale version is **61.3192, 64.5126, 70.2542**.

A 20% lighter version of the original color is **86.2943, 96.4977, 62.7929**, and **28.5655, 36.4410, 13.9158** is the 20% darker color. If you saturate the color by 10%, you get **53.8260, 68.1816, 26.0355**, and if you desaturate by 10%, it is **60.2069, 71.0974, 43.2159**.

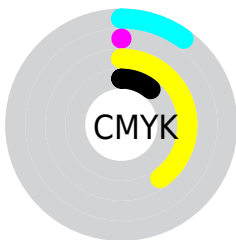
# Distribution



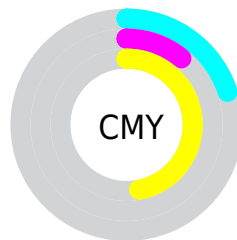
- Red (80%)
- Green (89%)
- Blue (53%)



- Red (53%)
- Yellow (89%)
- Blue (62%)



- Cyan (10%)
- Magenta (0%)
- Yellow (40%)
- Black (11%)




- Cyan (20%)
- Magenta (11%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.8149, 69.5531, 33.7232 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 56.8149, 69.5531, 33.7232 by changing the saturation by 10% instead.




 56.8149, 69.5531,  
33.7232


 56.8149, 69.5531,  
33.7232


402.7808,  
458.9793, 333.6274

 41.0962, 51.1623,  
22.4054


 99.3280, 118.5712,  
66.6320

 28.5823, 36.3378,  
13.9539


 126.8531,  
149.9673, 89.0600

 18.9077, 24.6952,  
7.9502


 159.0443,  
186.4673, 116.0285

 11.7072, 15.8501,  
3.9758

196.2671,  
228.4556, 147.9561

 6.6154, 9.4181,  
1.6121

238.8868,  
276.3165, 185.2612

 3.2670, 5.0149,  
0.2994

287.2687,

 1.2965, 2.2560,

330.4345, 228.3625

0.0000

341.7783,  
391.1940, 277.6784

■ 0.1806, 0.7503,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 56.8149, 69.5531,  
33.7232

■ 56.8149, 69.5531,  
33.7232

■ 53.8260, 68.1816,  
26.0355

■ 60.2069, 71.0974,  
43.2159

■ 51.2127, 66.9645,  
20.0339


■ 64.0173, 72.8134,  
54.6139


■ 48.9518, 65.8949,  
15.5920


■ 68.2668, 74.7119,  
68.0151

■ 47.0149, 64.9615,  
12.5638


■ 72.9730, 76.7999,  
83.5097

 45.3685, 64.1506,  
10.7757


 78.1526, 79.0843,  
101.1821

 43.9660, 63.4448,  
9.9288

 80.9257, 80.4131,  
105.8638

 82.8880, 81.4247,  
105.9556

 84.9123, 82.4683,  
106.0504

 86.7606, 83.4211,  
106.1369

# Harmonies

## Analogous

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



67.0301, 69.5531, 29.9165



56.8149, 69.5531, 33.7232



49.8303, 69.5531, 47.6428

# Triad

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



56.8149, 69.5531, 33.7232



55.3902, 69.5531, 139.1465



89.5595, 69.5531, 78.3902

# Complementary

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



56.8149, 69.5531, 33.7232



36.9700, 30.5271, 76.6208

# 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.



85.5931, 69.5531, 113.1310



56.8149, 69.5531, 33.7232



65.1947, 69.5531, 153.7591

# Square

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



56.8149, 69.5531, 33.7232



49.0741, 69.5531, 107.2860



76.3632, 69.5531, 143.1265



86.6879, 69.5531, 51.0637



# Rectangle

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



56.8149, 69.5531, 33.7232



47.5403, 69.5531, 63.3790



76.3632, 69.5531, 143.1265



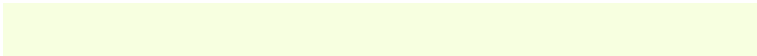
88.9728, 69.5531, 89.5930

# Sweetspot

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



56.8166, 69.5562, 33.7247



87.7200, 96.7458, 84.8562



48.4801, 42.8209, 29.0036



18.6162, 20.6364, 17.6542



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

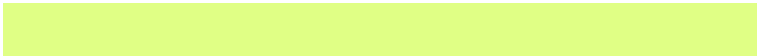


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



56.8166, 69.5562, 33.7247



70.7244, 89.0590, 35.5082



46.1639, 64.0645, 33.2261



15.2272, 16.6242, 15.3107



25.7524, 37.0573, 5.7955



1.9871, 2.7818, 0.4322



# Inverse Universe

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



36.9700, 30.5271, 76.6208



41.5984, 31.7296, 98.5397



47.6421, 36.0288, 77.1202



13.9226, 14.0623, 18.1248



9.1738, 3.7952, 42.6322

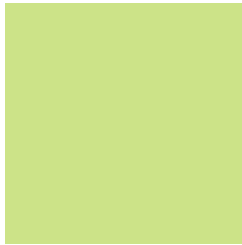


0.7619, 0.3238, 3.1543



# Previews

## White Background



This preview shows how the XYZ color 56.8149, 69.5531, 33.7232 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 56.8149, 69.5531, 33.7232 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 56.8149, 69.5531, 33.7232**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.8149, 69.5531, 33.7232.



This preview shows how white text looks on a background with the XYZ color 56.8149, 69.5531,



# 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

56.8149, 69.5531, 33.7232

### Protanopia

63.9028, 69.2962, 31.8373

### Deuteranopia

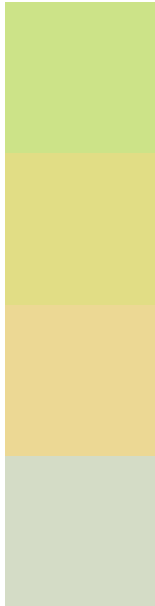
69.9569, 69.2275, 40.6855



## Tritanopia

67.5827, 69.5939, 86.9618

# Trichromacy



## Original Color

56.8149, 69.5531, 33.7232

## Protanomaly

61.1414, 69.4139, 32.3660

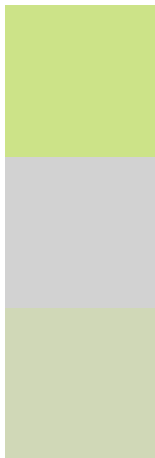
## Deuteranomaly

64.4932, 69.0827, 37.9521

## Tritanomaly

62.9376, 69.2607, 63.4776

# Monochromacy



## Original Color

56.8149, 69.5531, 33.7232

## Achromatopsia

61.2578, 64.4480, 70.1838

## Achromatomaly

59.1155, 65.9405, 54.4118

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.8149, 69.5531, 33.7232 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(204, 227, 136)` looks like.

```
.text, #text, p{  
    color:rgb(204, 227, 136)  
}
```

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(204, 227, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 227, 136) }
```

## Border

The CSS property to change the border of an element to XYZ 56.8149, 69.5531, 33.7232 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(204, 227, 136) }
```



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

```
.border{ border-color:rgb(204, 227, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 227, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 227, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 227, 136);  
box-shadow:4px 4px 4px 4px rgb(204, 227,  
136) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.8149, 69.5531, 33.7232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 227, 136) }
```

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

```
.background{ background-color: rgb(204,  
227, 136) }
```

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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