

# Converting Colors

XYZ(53.9077, 61.0537, 41.7071)

Have a look what the booklet for  
XYZ(53.9077, 61.0537, 41.7071)  
contains.

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# Color

**XYZ(53.6871, 60.8006,  
41.7070)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<a href="#">CBD19F</a>
RGB	<a href="#">203, 209, 159</a>
RGB Percent	<a href="#">80%, 82%, 62%</a>
CMY	<a href="#">0.2039, 0.1804, 0.3765</a>
CMYK	<a href="#">0.03, 0.00, 0.24, 0.18</a>
HSL	<a href="#">67°, 35%, 72%</a>
HSV	<a href="#">67°, 24%, 82%</a>
XYZ	<a href="#">53.6871, 60.8006, 41.7070</a>
YIQ	<a href="#">201.5060, 12.4740, -16.8220</a>

# Conversions

## Conversions Part 2

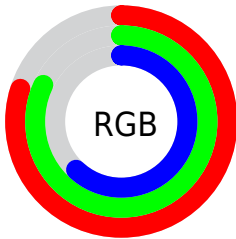
<b>Format</b>	<b>Color</b>
<b>RYB</b>	159, 209, 165
Decimal	13357471
CIELab	82.27, -10.27, 24.18
CIELCh	82, 26.275, 113.007
Yxy	60.8006, 0.3437, 0.3893
Android (android.graphics.Color)	4291547551 (0xFFCBD19F)
YUV	201.5060, -20.9555, 1.3102
Hunter-Lab	77.9747, -13.5551, 22.8694

# Details

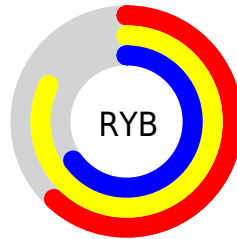
The XYZ color **53.6871, 60.8006, 41.7070** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **39.4261, 37.4007, 65.4660**, and the grayscale version is **55.9535, 58.8675, 64.1067**.

A 20% lighter version of the original color is **89.1376, 97.6350, 77.7657**, and **26.5879, 30.8001, 18.4536** is the 20% darker color. If you saturate the color by 10%, you get **51.3473, 59.7884, 32.9173**, and if you desaturate by 10%, it is **56.3479, 61.9466, 52.1150**.

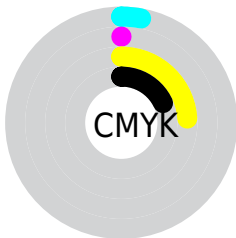
# Distribution



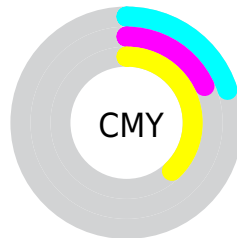
- Red (80%)
- Green (82%)
- Blue (62%)



- Red (62%)
- Yellow (82%)
- Blue (65%)



- Cyan (3%)
- Magenta (0%)
- Yellow (24%)
- Black (18%)




- Cyan (20%)
- Magenta (18%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.6871, 60.8006, 41.7070 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 53.6871, 60.8006, 41.7070 by changing the saturation by 10% instead.





 53.6871, 60.8006,  
41.7070


 53.6871, 60.8006,  
41.7070


391.1336,  
427.5425, 369.0307

 38.5812, 44.0643,  
28.5481


 94.7743, 105.9902,  
79.0213

 26.6134, 30.7210,  
18.4966


 121.4863,  
135.2122, 104.0137

 17.4181, 20.3865,  
11.1340


152.7977,  
169.3649, 133.7878

 10.6302, 12.6763,  
6.0417

189.0739,  
208.8327, 168.7619

 5.8842, 7.2060,  
2.8013

230.6802,  
253.9999, 209.3548

 2.8148, 3.5913,  
0.9941

277.9820,

 1.0566, 1.4477,

305.2511, 255.9848

0.0000

331.3447,  
362.9705, 309.0706

0.0000, 0.2515,  
0.0000

0.0000, 0.0000,  
0.0000

53.6871, 60.8006,  
41.7070

53.6871, 60.8006,  
41.7070

51.3473, 59.7884,  
32.9173

56.3479, 61.9466,  
52.1150

49.3082, 58.8957,  
25.6608

59.3393, 63.2240,  
64.2128

47.5546, 58.1185,  
19.8506

62.6763, 64.6410,  
78.0726

46.0680, 57.4493,  
15.3894

66.3717, 66.2027,  
93.7610

■ 44.8276, 56.8799,  
12.1681

■ 69.0377, 67.3538,  
103.9697

■ 43.8095, 56.4006,  
10.0606

■ 69.7828, 67.7380,  
104.0045

■ 42.9845, 55.9999,  
8.9142

■ 70.5394, 68.1280,  
104.0399

■ 42.5467, 55.7824,  
8.5246

■ 71.3074, 68.5239,  
104.0759

■ 72.0868, 68.9257,  
104.1123

# Harmonies

## Analogous

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



59.1083, 60.8006, 40.0962



53.6871, 60.8006, 41.7070



49.6184, 60.8006, 49.3452

# Triad

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



53.6871, 60.8006, 41.7070



51.5569, 60.8006, 93.9730



69.1337, 60.8006, 70.0222

# Complementary

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



53.6871, 60.8006, 41.7070



39.4261, 37.4007, 65.4660

# Split Complementary

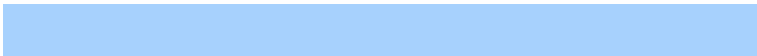
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



66.8109, 60.8006, 86.5162



53.6871, 60.8006, 41.7070



56.4898, 60.8006, 101.7172

# Square

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



53.6871, 60.8006, 41.7070



48.4451, 60.8006, 78.9833



62.0950, 60.8006, 98.7888



68.2635, 60.8006, 54.8789



# Rectangle

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



53.6871, 60.8006, 41.7070



48.1028, 60.8006, 57.6025



62.0950, 60.8006, 98.7888



68.6956, 60.8006, 75.6164

# Sweetspot

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



53.6887, 60.8033, 41.7083



91.5238, 98.4989, 94.4241



45.9796, 42.9103, 38.6609



19.5275, 21.0562, 19.9573



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.



53.6887, 60.8033, 41.7083



82.1538, 94.4728, 57.6481



47.4590, 57.5918, 41.4167



12.6579, 13.7226, 12.5936



26.2872, 34.4205, 5.2583



1.5101, 1.9454, 0.2959



# Inverse Universe

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



39.4261, 37.4007, 65.4660



55.8018, 51.2262, 101.5543



45.1023, 40.3268, 65.7316



11.2937, 11.4847, 14.8652



7.3886, 2.9893, 37.3801

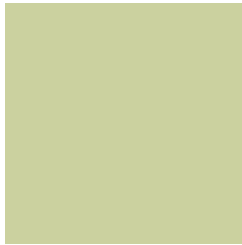


0.4581, 0.1903, 2.0922



# Previews

## White Background



This preview shows how the XYZ color 53.6871, 60.8006, 41.7070 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

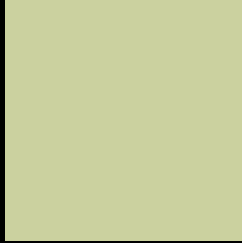
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.6871, 60.8006, 41.7070 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

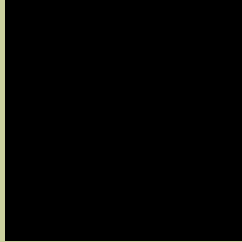
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

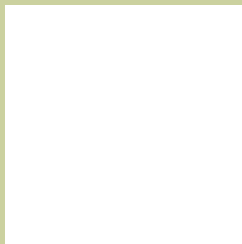
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 53.6871, 60.8006, 41.7070**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.6871, 60.8006, 41.7070.



This preview shows how white text looks on a background with the XYZ color 53.6871, 60.8006,



# 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

53.6871, 60.8006, 41.7070

### Protanopia

56.5921, 60.5255, 40.5982

### Deuteranopia

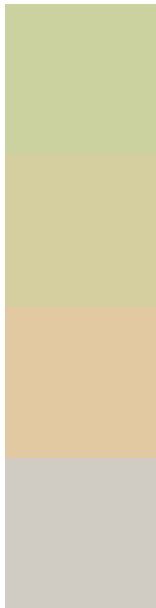
61.8581, 60.4392, 42.5881



## Tritanopia

60.2750, 60.6319, 74.1719

# Trichromacy



## Original Color

53.6871, 60.8006, 41.7070

## Protanomaly

55.6834, 60.7574, 41.1403

## Deuteranomaly

58.6837, 60.5152, 42.3059

## Tritanomaly

57.5691, 60.5812, 60.8837

# Monochromacy



## Original Color

53.6871, 60.8006, 41.7070

## Achromatopsia

56.1383, 59.0619, 64.3184

## Achromatomaly

55.0514, 59.7644, 55.0885

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.6871, 60.8006, 41.7070 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(203, 209, 159)` looks like.

```
.text, #text, p{  
    color:rgb(203, 209, 159)  
}
```

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(203, 209, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 209, 159) }
```

## Border

The CSS property to change the border of an element to XYZ 53.6871, 60.8006, 41.7070 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(203, 209, 159) }
```



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

```
.border{ border-color:rgb(203, 209, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 209, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 209, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 209, 159);  
box-shadow:4px 4px 4px 4px rgb(203, 209,  
159) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.6871, 60.8006, 41.7070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 209, 159) }
```

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

```
.background{ background-color: rgb(203,  
209, 159) }
```

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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