

# Converting Colors

XYZ(53.9998, 62.2744, 32.4666)

Have a look what the booklet for  
XYZ(53.9998, 62.2744, 32.4666)  
contains.

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# Color

**XYZ(53.9998, 62.2744,  
32.4666)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D0D488
RGB	208, 212, 136
RGB Percent	82%, 83%, 53%
CMY	0.1843, 0.1686, 0.4667
CMYK	0.02, 0.00, 0.36, 0.17
HSL	63°, 47%, 68%
HSV	63°, 36%, 83%
XYZ	53.9998, 62.2744, 32.4666
YIQ	202.1400, 22.0120, -24.4840

# Conversions

## Conversions Part 2

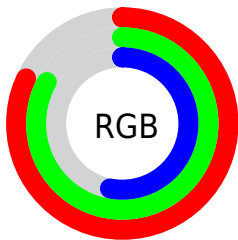
Format	Color
R <sub>YB</sub>	136, 212, 140
Decimal	13685896
CIE Lab	83.06, -12.86, 37.18
CIE LCh	83, 39.339, 109.087
Yxy	62.2744, 0.3630, 0.4187
Android (android.graphics.Color)	4291875976 (0xFFD0D488)
YUV	202.1400, -32.6070, 5.1392
Hunter-Lab	78.9141, -15.9548, 30.8470

# Details

The XYZ color **53.9998, 62.2744, 32.4666** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **31.5053, 27.9388, 66.0232**, and the grayscale version is **56.4153, 59.3533, 64.6357**.

A 20% lighter version of the original color is **86.2943, 96.4977, 62.7929**, and **26.8154, 31.7850, 13.3161** is the 20% darker color. If you saturate the color by 10%, you get **52.3273, 61.5714, 25.2864**, and if you desaturate by 10%, it is **55.9757, 63.1034, 41.2191**.

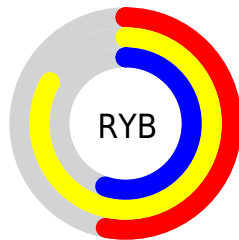
# Distribution



Red (82%)

Green (83%)

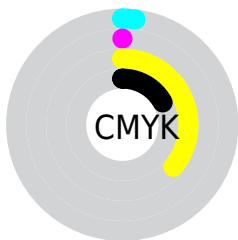
Blue (53%)



Red (53%)

Yellow (83%)

Blue (55%)

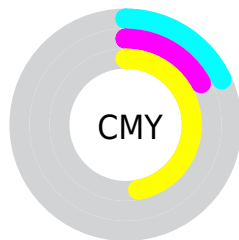


Cyan (2%)

Magenta (0%)

Yellow (36%)

Black (17%)



Cyan (18%)

Magenta (17%)


Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.9998, 62.2744, 32.4666 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 53.9998, 62.2744, 32.4666 by changing the saturation by 10% instead.




 53.9998, 62.2744,  
32.4666


 53.9998, 62.2744,  
32.4666


392.3076,  
432.9313, 327.7973


 38.8322, 45.2545,  
21.4504


 95.2308, 108.1220,  
64.6482

 26.8093, 31.6579,  
13.2592


 122.0250,  
137.7185, 86.6507

 17.5659, 21.1003,  
7.4744

 153.4253,  
172.2759, 113.1524

 10.7366, 13.1974,  
3.6776

189.7972,  
212.1787, 144.5718

 5.9560, 7.5646,  
1.4502

231.5060,  
257.8112, 181.3274

 2.8587, 3.8176,  
0.1804

278.9172,

 1.0795, 1.5721,

309.5579, 223.8379

0.0000

332.3959,  
367.8031, 272.5217

■ 0.0079, 0.3387,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 53.9998, 62.2744,  
32.4666

■ 53.9998, 62.2744,  
32.4666

■ 52.3273, 61.5714,  
25.2864

■ 55.9757, 63.1034,  
41.2191

■ 50.9359, 60.9789,  
19.5816


■ 58.2665, 64.0564,  
51.6252


■ 49.8075, 60.4920,  
15.2506


■ 60.8888, 65.1422,  
63.7657


■ 48.9202, 60.1016,  
12.1775


■ 63.8568, 66.3666,  
77.7145


 48.2483, 59.7977,  
10.2274


 67.1836, 67.7348,  
93.5415


 47.7602, 59.5676,  
9.2331

 69.5322, 68.7119,  
104.2057

 47.5872, 59.4840,  
8.9734

 69.8609, 68.8814,  
104.2211

 70.1918, 69.0519,  
104.2366

 70.5249, 69.2237,  
104.2522

# Harmonies

## Analogous

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



62.3417, 62.2744, 31.4202



53.9998, 62.2744, 32.4666



47.6674, 62.2744, 41.5167

# Triad

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



53.9998, 62.2744, 32.4666



49.1089, 62.2744, 109.7348



76.7513, 62.2744, 77.0694

# Complementary

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



53.9998, 62.2744, 32.4666



31.5053, 27.9388, 66.0232

# 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.



72.4341, 62.2744, 103.3537



53.9998, 62.2744, 32.4666



56.1463, 62.2744, 125.0029

# Square

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



53.9998, 62.2744, 32.4666



45.0363, 62.2744, 84.3103



64.7024, 62.2744, 122.4222



76.0359, 62.2744, 53.6101



# Rectangle

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



53.9998, 62.2744, 32.4666



45.1851, 62.2744, 52.4187



64.7024, 62.2744, 122.4222



75.8253, 62.2744, 85.9440

# Sweetspot

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



54.0014, 62.2772, 32.4679



90.3165, 98.0440, 86.8011



40.9463, 34.4740, 27.7894



19.2161, 20.9377, 18.0459



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.



54.0014, 62.2772, 32.4679



80.0437, 93.7556, 40.8077



44.6106, 57.4361, 32.0284



13.4052, 14.4851, 13.2501



29.4036, 36.7344, 5.5407



1.7937, 2.2261, 0.3351



# Inverse Universe

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



31.5053, 27.9388, 66.0232



41.0154, 34.1696, 99.0414



39.0040, 31.8045, 66.3741



11.8026, 12.0396, 15.6393



7.4491, 2.9927, 38.6382

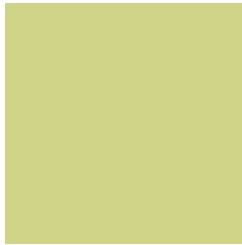


0.4711, 0.1917, 2.3315



# Previews

## White Background



This preview shows how the XYZ color 53.9998, 62.2744, 32.4666 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

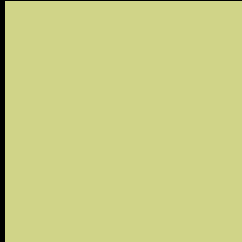
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.9998, 62.2744, 32.4666 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

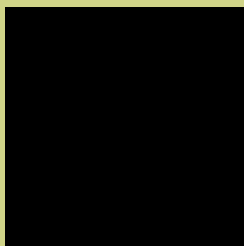
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

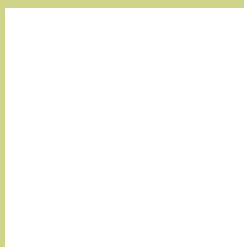
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 53.9998, 62.2744, 32.4666**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.9998, 62.2744, 32.4666.



This preview shows how white text looks on a background with the XYZ color 53.9998, 62.2744,



# 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

53.9998, 62.2744, 32.4666

### Protanopia

57.6672, 62.3544, 31.5505

### Deuteranopia

63.5657, 62.2087, 33.0833



## Tritanopia

62.6889, 62.2084, 75.0330

# Trichromacy



## Original Color

53.9998, 62.2744, 32.4666

## Protanomaly

56.3871, 62.4103, 31.9961

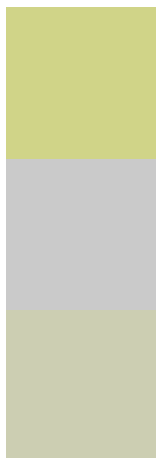
## Deuteranomaly

59.5477, 61.8705, 32.8485

## Tritanomaly

58.8800, 62.0696, 56.4543

# Monochromacy



## Original Color

53.9998, 62.2744, 32.4666

## Achromatopsia

56.1383, 59.0619, 64.3184

## Achromatomaly

55.0090, 60.1943, 50.8389

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.9998, 62.2744, 32.4666 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(208, 212, 136)` looks like.

```
.text, #text, p{  
    color:rgb(208, 212, 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(208, 212, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 212, 136) }
```

## Border

The CSS property to change the border of an element to XYZ 53.9998, 62.2744, 32.4666 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(208, 212, 136) }
```



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

```
.border{ border-color:rgb(208, 212, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 212, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 212, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 212, 136);  
box-shadow:4px 4px 4px 4px rgb(208, 212,  
136) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.9998, 62.2744, 32.4666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 212, 136) }
```

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

```
.background{ background-color: rgb(208,  
212, 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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