

# Converting Colors

XYZ(62.5593, 72.3298, 54.0395)

Have a look what the booklet for  
XYZ(62.5593, 72.3298, 54.0395)  
contains.

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# Color

**XYZ(62.5600, 72.4837,  
53.8735)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D2E4B4
RGB	210, 228, 180
RGB Percent	82%, 89%, 71%
CMY	0.1765, 0.1059, 0.2941
CMYK	0.08, 0.00, 0.21, 0.11
HSL	83°, 47%, 80%
HSV	83°, 21%, 89%
XYZ	62.5600, 72.4837, 53.8735
YIQ	217.1460, 4.6800, -18.7440

# Conversions

## Conversions Part 2

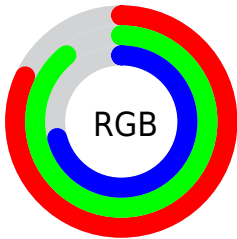
Format	Color
<a href="#">RYB</a>	<a href="#">180, 228, 198</a>
Decimal	<a href="#">13821108</a>
CIELab	<a href="#">88.20, -14.21, 21.47</a>
CIELCh	<a href="#">88, 25.746, 123.495</a>
Yxy	<a href="#">72.4837, 0.3312, 0.3837</a>
Android (android.graphics.Color)	<a href="#">4292011188</a> ( <a href="#">0xFFD2E4B4</a> )
YUV	<a href="#">217.1460, -18.3130, -6.2670</a>
Hunter-Lab	<a href="#">85.1374, -17.8263, 22.0784</a>

# Details

The XYZ color **62.5600, 72.4837, 53.8735** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **53.6163, 50.2517, 80.2763**, and the grayscale version is **66.1745, 69.6207, 75.8169**.

A 20% lighter version of the original color is **92.1403, 98.8361, 93.5778**, and **32.2919, 38.3880, 25.7863** is the 20% darker color. If you saturate the color by 10%, you get **58.0563, 70.4108, 42.5193**, and if you desaturate by 10%, it is **67.5798, 74.7829, 67.2493**.

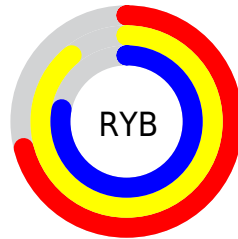
# Distribution



Red (82%)

Green (89%)

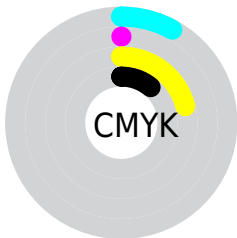
Blue (71%)



Red (71%)

Yellow (89%)

Blue (78%)

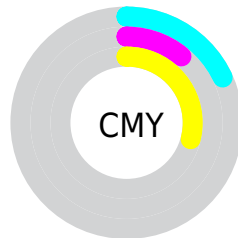


Cyan (8%)

Magenta (0%)

Yellow (21%)

Black (11%)



Cyan (18%)

Magenta (11%)


Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.5600, 72.4837, 53.8735 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 62.5600, 72.4837, 53.8735 by changing the saturation by 10% instead.




 62.5600, 72.4837,  
53.8735

 62.5600, 72.4837,  
53.8735

423.6559,  
469.2234, 418.7884

 45.7427, 53.5539,  
38.1080


 107.6199,  
122.7440, 97.3430

 32.2466, 38.2451,  
25.7641


136.5931,  
154.8432, 125.8842

 21.7064, 26.1730,  
16.4230


170.3490,  
192.1011, 159.5209

 13.7567, 16.9531,  
9.6664

209.2529,  
234.9020, 198.6719

 8.0322, 10.2011,  
5.0756

253.6702,  
283.6303, 243.7556

 4.1675, 5.5325,  
2.2322

303.9662,

 1.7973, 2.5629,

338.6703, 295.1906

0.6929

360.5064,  
400.4066, 353.3953

■ 0.5161, 0.9081,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 62.5600, 72.4837,  
53.8735

■ 62.5600, 72.4837,  
53.8735

■ 58.0563, 70.4108,  
42.5193

■ 67.5798, 74.7829,  
67.2493

■ 54.0422, 68.5462,  
33.0835

■ 73.1294, 77.3068,  
82.7336

■ 50.4975, 66.8838,  
25.4612

■ 79.2288, 80.0661,  
100.4140

■ 47.3977, 65.4138,  
19.5352

■ 83.1752, 81.9800,  
106.0477

■ 44.7159, 64.1250,  
15.1747

■ 86.2153, 83.5472,  
106.1899

■ 42.4215, 63.0050,  
12.2300

■ 87.0349, 83.9697,  
106.2283

■ 40.4781, 62.0389,  
10.5219

■ 38.9843, 61.2838,  
9.7743

# Harmonies

## Analogous

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



68.1739, 72.4837, 49.6685



62.5600, 72.4837, 53.8735



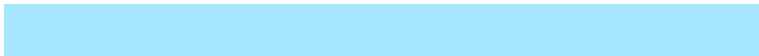
58.8258, 72.4837, 64.7278

# Triad

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



62.5600, 72.4837, 53.8735



63.7404, 72.4837, 113.3472



81.4086, 72.4837, 76.8720

# Complementary

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



62.5600, 72.4837, 53.8735



53.6163, 50.2517, 80.2763

# Split Complementary

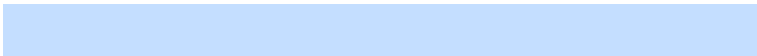
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.0491, 72.4837, 95.0539



62.5600, 72.4837, 53.8735



69.6183, 72.4837, 117.8652

# Square

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



62.5600, 72.4837, 53.8735



59.4783, 72.4837, 99.1674



75.6408, 72.4837, 110.7346



79.2535, 72.4837, 61.6393



# Rectangle

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



62.5600, 72.4837, 53.8735



57.7800, 72.4837, 75.1405



75.6408, 72.4837, 110.7346



81.3480, 72.4837, 82.8292

# Sweetspot

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



62.5619, 72.4869, 53.8751



90.6038, 97.9813, 96.3416



60.3385, 59.9972, 51.5815



19.2927, 20.9264, 20.3416



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.



62.5619, 72.4869, 53.8751



78.1755, 92.2965, 63.1293



56.3309, 69.2747, 53.5835



15.0503, 16.5330, 15.3024



22.6452, 35.4555, 5.6501



1.7755, 2.6727, 0.4223



# Inverse Universe

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



53.6163, 50.2517, 80.2763



64.8068, 59.0621, 102.5922



60.3293, 53.7123, 80.5905



14.0910, 14.1492, 18.1327



10.3974, 4.4260, 42.6895

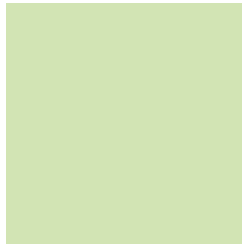


0.8686, 0.3788, 3.1593



# Previews

## White Background



This preview shows how the XYZ color 62.5600, 72.4837, 53.8735 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

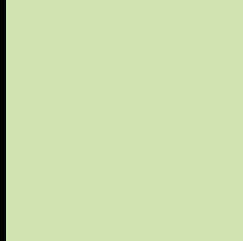
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.5600, 72.4837, 53.8735 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

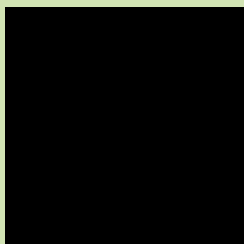
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

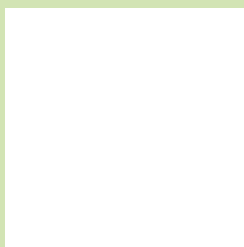
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 62.5600, 72.4837, 53.8735**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.5600, 72.4837, 53.8735.



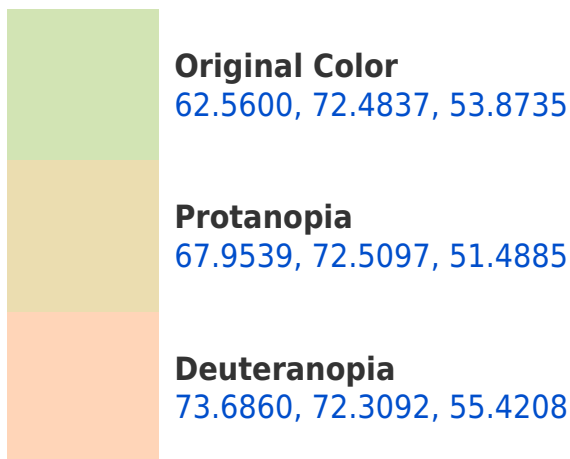
This preview shows how white text looks on a background with the XYZ color 62.5600, 72.4837,



# 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

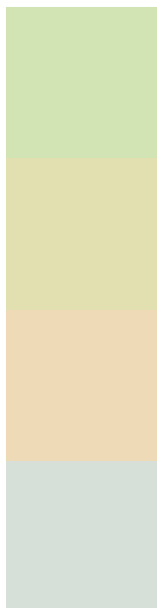




## Tritanopia

69.9393, 72.2649, 91.1512

# Trichromacy



## Original Color

62.5600, 72.4837, 53.8735

## Protanomaly

65.9555, 72.6544, 52.1424

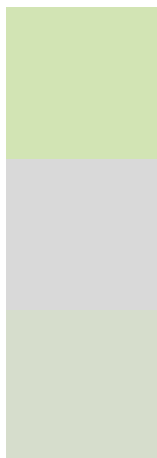
## Deuteranomaly

69.2153, 71.9124, 55.0322

## Tritanomaly

66.9364, 72.2322, 76.0599

# Monochromacy



## Original Color

62.5600, 72.4837, 53.8735

## Achromatopsia

65.9525, 69.3872, 75.5626

## Achromatomaly

64.4871, 70.3687, 67.3104

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.5600, 72.4837, 53.8735 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(210, 228, 180)` looks like.

```
.text, #text, p{  
    color:rgb(210, 228, 180)  
}
```

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(210, 228, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 228, 180) }
```

## Border

The CSS property to change the border of an element to XYZ 62.5600, 72.4837, 53.8735 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(210, 228, 180) }
```



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

```
.border{ border-color:rgb(210, 228, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 228, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 228, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 228, 180);  
box-shadow:4px 4px 4px 4px rgb(210, 228,  
180) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.5600, 72.4837, 53.8735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 228, 180) }
```

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

```
.background{ background-color: rgb(210,  
228, 180) }
```

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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