

# Converting Colors

XYZ(62.2272, 67.7147, 56.8635)

Have a look what the booklet for  
XYZ(62.2272, 67.7147, 56.8635)  
contains.

<b>XYZ(62.3978, 67.9653, 56.8436)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(62.3978, 67.9653,  
56.8436)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9D9BB
RGB	217, 217, 187
RGB Percent	85%, 85%, 73%
CMY	0.1490, 0.1490, 0.2667
CMYK	0.00, 0.00, 0.14, 0.15
HSL	60°, 28%, 79%
HSV	60°, 14%, 85%
XYZ	62.3978, 67.9653, 56.8436
YIQ	213.5800, 9.6300, -9.3300

# Conversions

## Conversions Part 2

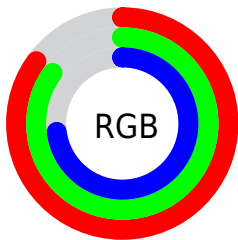
<b>Format</b>	<b>Color</b>
<b>RYB</b>	187, 217, 187
Decimal	14277051
CIELab	85.99, -5.05, 14.80
CIELCh	86, 15.640, 108.841
Yxy	67.9653, 0.3333, 0.3630
Android (android.graphics.Color)	4292467131 (0xFFD9D9BB)
YUV	213.5800, -13.1039, 2.9993
Hunter-Lab	82.4411, -9.1692, 16.8279

# Details

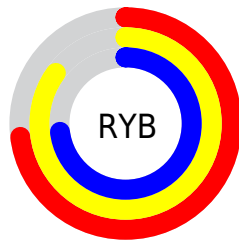
The XYZ color **62.3978, 67.9653, 56.8436** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **50.7908, 51.1170, 72.8389**, and the grayscale version is **63.7166, 67.0348, 73.0009**.

A 20% lighter version of the original color is **93.1777, 99.2511, 99.0404**, and **32.1237, 35.2433, 27.6638** is the 20% darker color. If you saturate the color by 10%, you get **60.2478, 67.1075, 45.5188**, and if you desaturate by 10%, it is **64.9026, 68.9696, 70.0202**.

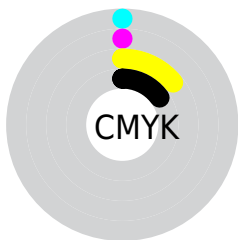
# Distribution



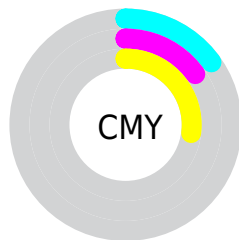
- Red (85%)
- Green (85%)
- Blue (73%)



- Red (73%)
- Yellow (85%)
- Blue (73%)



- Cyan (0%)
- Magenta (0%)
- Yellow (14%)
- Black (15%)



- Cyan (15%)
- Magenta (15%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.3978, 67.9653, 56.8436 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 62.3978, 67.9653, 56.8436 by changing the saturation by 10% instead.



■ 62.3978, 67.9653,  
56.8436

■ 62.3978, 67.9653,  
56.8436

423.0751,  
453.3731, 430.3403

■ 45.6110, 49.8695,  
40.4712

■ 107.3870,  
116.3025, 101.7350

■ 32.1423, 35.3097,  
27.5895

136.3200,  
147.3127, 131.0911

■ 21.6263, 23.9016,  
17.7801

170.0326,  
183.3965, 165.6121

■ 13.6976, 15.2606,  
10.6244

208.8900,  
224.9383, 205.7166

■ 7.9910, 9.0025,  
5.7039

253.2576,  
272.3224, 251.8231

■ 4.1409, 4.7428,  
2.6000

303.5008,

■ 1.7822, 2.0972,

325.9333, 304.3502

0.8925

359.9848,  
386.1554, 363.7164

■ 0.5069, 0.6630,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 62.3978, 67.9653,  
56.8436

■ 62.3978, 67.9653,  
56.8436

■ 60.2478, 67.1075,  
45.5188

■ 64.9026, 68.9696,  
70.0202

■ 58.4314, 66.3808,  
35.9589

■ 67.7713, 70.1172,  
85.1219

■ 56.9335, 65.7815,  
28.0763

■ 71.0198, 71.4167,  
102.2230

■ 55.7358, 65.3023,  
21.7743

■ 71.4837, 71.6024,  
104.6608

■ 54.8180, 64.9351,  
16.9464

■ 71.4847, 71.6029,  
104.6608

■ 54.1575, 64.6708,  
13.4729

■ 71.4856, 71.6034,  
104.6609

■ 53.7278, 64.4988,  
11.2155

■ 71.4866, 71.6039,  
104.6609

■ 53.4973, 64.4064,  
10.0064

■ 71.4876, 71.6044,  
104.6610

■ 53.4214, 64.3760,  
9.6102

■ 71.4885, 71.6049,  
104.6610

# Harmonies

## Analogous

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



65.9425, 67.9653, 56.2712



62.3978, 67.9653, 56.8436



59.5458, 67.9653, 61.7528

# Triad

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



62.3978, 67.9653, 56.8436



60.1666, 67.9653, 89.8871



71.6023, 67.9653, 77.8902

# Complementary

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



62.3978, 67.9653, 56.8436



50.7908, 51.1170, 72.8389

# 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.



69.9303, 67.9653, 87.7740



62.3978, 67.9653, 56.8436



63.2738, 67.9653, 95.1151

# Square

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



62.3978, 67.9653, 56.8436



58.2909, 67.9653, 80.5646



66.8513, 67.9653, 94.3079



71.3465, 67.9653, 67.8071



# Rectangle

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



62.3978, 67.9653, 56.8436



58.3800, 67.9653, 67.1017



66.8513, 67.9653, 94.3079



71.2446, 67.9653, 81.3613

# Sweetspot

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



62.3996, 67.9683, 56.8451



93.4503, 99.3601, 100.4793



55.3574, 53.8819, 54.4973



19.9399, 21.2422, 21.1786



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.



62.3996, 67.9683, 56.8451



88.8371, 97.5146, 76.1961



58.1422, 65.7735, 56.6458



14.1621, 15.2638, 13.9254



32.3368, 38.9677, 5.8172



2.0950, 2.5245, 0.3769



# Inverse Universe

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



50.7908, 51.1170, 72.8389



68.5585, 68.0782, 104.1347



54.6539, 53.1085, 73.0197



12.3389, 12.6173, 16.4372



7.5819, 3.0328, 39.9242

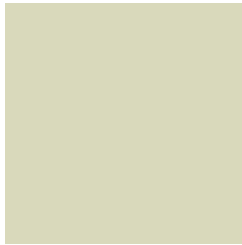


0.4913, 0.1965, 2.5865



# Previews

## White Background



This preview shows how the XYZ color 62.3978, 67.9653, 56.8436 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 62.3978, 67.9653, 56.8436 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

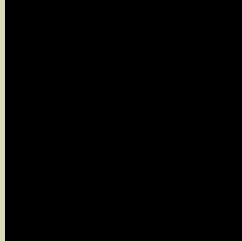
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

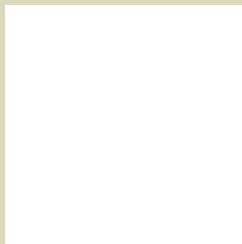
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 62.3978, 67.9653, 56.8436**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.3978, 67.9653, 56.8436.



This preview shows how white text looks on a background with the XYZ color 62.3978, 67.9653,



# 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

62.3978, 67.9653, 56.8436

### Protanopia

64.2735, 67.8071, 56.1549

### Deuteranopia

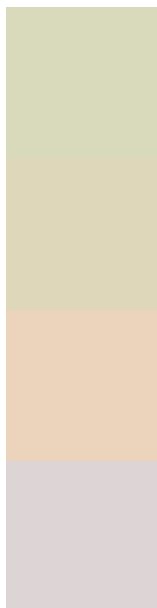
69.1543, 67.7122, 57.5691



## Tritanopia

67.7293, 67.8779, 82.9308

# Trichromacy



## Original Color

62.3978, 67.9653, 56.8436

## Protanomaly

63.5948, 67.8340, 56.1958

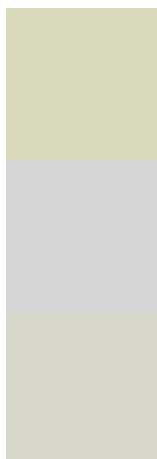
## Deuteranomaly

66.6323, 67.8815, 57.1675

## Tritanomaly

65.6233, 67.7647, 72.5720

# Monochromacy



## Original Color

62.3978, 67.9653, 56.8436

## Achromatopsia

63.9157, 67.2443, 73.2291

## Achromatomaly

63.2239, 67.4076, 66.8055

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.3978, 67.9653, 56.8436 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(217, 217, 187) looks like.

```
.text, #text, p{  
    color:rgb(217, 217, 187)  
}
```

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(217, 217, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 217, 187) }
```

## Border

The CSS property to change the border of an element to XYZ 62.3978, 67.9653, 56.8436 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(217, 217, 187) }
```



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

```
.border{ border-color:rgb(217, 217, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 217, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 217, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 217, 187);  
box-shadow:4px 4px 4px 4px rgb(217, 217,  
187) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.3978, 67.9653, 56.8436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 217, 187) }
```

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

```
.background{ background-color: rgb(217,  
217, 187) }
```

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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