

# Converting Colors

XYZ(62.6819, 66.7035, 56.4984)

Have a look what the booklet for  
XYZ(62.6819, 66.7035, 56.4984)  
contains.

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# **Color**

**XYZ(62.5827, 66.5485,  
56.5604)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDD5BB
RGB	221, 213, 187
RGB Percent	87%, 84%, 73%
CMY	0.1333, 0.1647, 0.2667
CMYK	0.00, 0.04, 0.15, 0.13
HSL	46°, 33%, 80%
HSV	46°, 15%, 87%
XYZ	62.5827, 66.5485, 56.5604
YIQ	212.4280, 13.1140, -6.3900

# Conversions

## Conversions Part 2

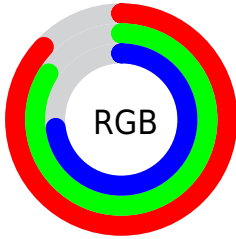
<b>Format</b>	<b>Color</b>
<b>RYB</b>	197, 221, 187
Decimal	14538171
CIELab	85.28, -1.55, 13.84
CIELCh	85, 13.926, 96.374
Yxy	66.5485, 0.3370, 0.3584
Android (android.graphics.Color)	4292728251 (0xFFDDD5BB)
YUV	212.4280, -12.5360, 7.5176
Hunter-Lab	81.5773, -5.8224, 15.9962

# Details

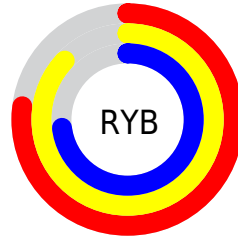
The XYZ color **62.5827, 66.5485, 56.5604** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **53.0596, 54.8144, 76.1909**, and the grayscale version is **62.9404, 66.2182, 72.1116**.

A 20% lighter version of the original color is **93.1777, 99.2511, 99.0404**, and **32.2558, 34.2819, 27.4713** is the 20% darker color. If you saturate the color by 10%, you get **59.1108, 63.1036, 44.6151**, and if you desaturate by 10%, it is **66.4643, 70.2287, 70.4401**.

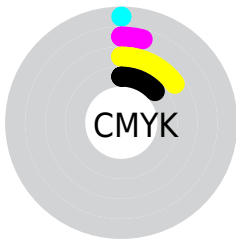
# Distribution



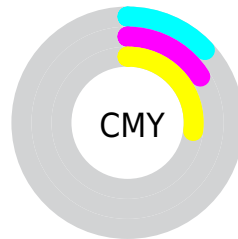
- Red (87%)
- Green (84%)
- Blue (73%)



- Red (77%)
- Yellow (87%)
- Blue (73%)



- Cyan (0%)
- Magenta (4%)
- Yellow (15%)
- Black (13%)



- Cyan (13%)
- Magenta (16%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.5827, 66.5485, 56.5604 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 62.5827, 66.5485, 56.5604 by changing the saturation by 10% instead.



■ 62.5827, 66.5485,  
56.5604

■ 62.5827, 66.5485,  
56.5604

423.7372,  
448.3360, 429.2475

■ 45.7611, 48.7178,  
40.2454

■ 107.6524,  
114.2732, 101.3174

■ 32.2611, 34.3957,  
27.4147

136.6313,  
144.9360, 130.5965

■ 21.7176, 23.1977,  
17.6497

170.3932,  
180.6450, 165.0341

■ 13.7650, 14.7396,  
10.5320

209.3037,  
221.7845, 205.0486

■ 8.0380, 8.6368,  
5.6429

253.7279,  
268.7390, 251.0587

■ 4.1713, 4.5051,  
2.5639

304.0314,

■ 1.7995, 1.9599,

321.8928, 303.4829

0.8737

360.5793,  
381.6303, 362.7396

■ 0.5174, 0.5840,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 62.5827, 66.5485,  
56.5604

■ 62.5827, 66.5485,  
56.5604

■ 59.1108, 63.1036,  
44.6151

■ 66.4643, 70.2287,  
70.4401

■ 56.0262, 59.8779,  
34.5125

■ 70.7660, 74.1424,  
86.3320

■ 53.3123, 56.8662,  
26.1597

■ 75.5047, 78.2992,  
104.3146

■ 50.9494, 54.0601,  
19.4540

■ 77.2333, 81.3207,  
106.2336

■ 48.9155, 51.4501,  
14.2819

■ 78.7330, 84.3202,  
106.7335

■ 47.1860, 49.0256,  
10.5156

■ 80.2764, 87.4071,  
107.2480

■ 45.7321, 46.7747,  
8.0061

■ 81.8640, 90.5822,  
107.7772

■ 44.5189, 44.6825,  
6.5711

■ 83.4961, 93.8463,  
108.3212

■ 44.0125, 43.7591,  
6.1266

■ 83.6290, 94.1123,  
108.3655

# Harmonies

## Analogous

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



65.7095, 66.5485, 57.7091



62.5827, 66.5485, 56.5604



59.7299, 66.5485, 59.3786

# Triad

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



62.5827, 66.5485, 56.5604



58.5026, 66.5485, 83.2353



68.9620, 66.5485, 79.6322

# Complementary

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



62.5827, 66.5485, 56.5604



53.0596, 54.8144, 76.1909

# 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.



66.9106, 66.5485, 87.3340



62.5827, 66.5485, 56.5604



60.8573, 66.5485, 89.5319

# Square

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



62.5827, 66.5485, 56.5604



57.4252, 66.5485, 74.4017



63.9268, 66.5485, 91.0907



69.4610, 66.5485, 70.5523



# Rectangle

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



62.5827, 66.5485, 56.5604



58.3446, 66.5485, 63.2775



63.9268, 66.5485, 91.0907



68.4278, 66.5485, 82.4905

# Sweetspot

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



62.5845, 66.5514, 56.5618



92.1155, 97.3077, 98.1287



57.4969, 54.8765, 59.4894



19.6308, 20.7483, 20.6918



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.



62.5845, 66.5514, 56.5618



85.1737, 90.6938, 73.4030



62.1225, 69.3729, 57.1308



13.8892, 14.7177, 13.8343



25.6581, 25.6018, 3.5893



1.7264, 1.7868, 0.2539



# Inverse Universe

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



53.0596, 54.8144, 76.1909



69.9382, 71.9207, 104.8037



53.4574, 52.4309, 75.7099



12.5860, 13.1117, 16.5196



8.3669, 4.6032, 40.1859

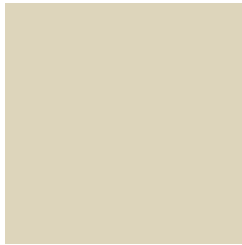


0.6085, 0.4311, 2.6256



# Previews

## White Background



This preview shows how the XYZ color 62.5827, 66.5485, 56.5604 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

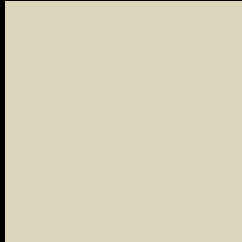
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.5827, 66.5485, 56.5604 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

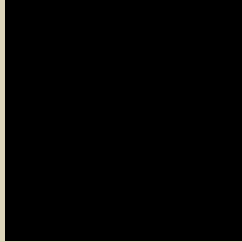
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

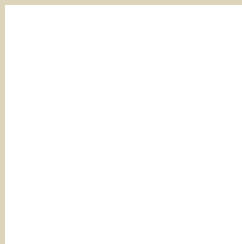
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 62.5827, 66.5485, 56.5604

## Background



This preview shows how black text looks on a background with the XYZ color 62.5827, 66.5485, 56.5604.



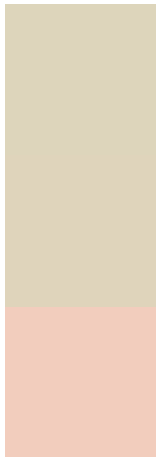
This preview shows how white text looks on a background with the XYZ color 62.5827, 66.5485,



# 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

62.5827, 66.5485, 56.5604

### Protanopia

62.9445, 66.3628, 56.5055

### Deuteranopia

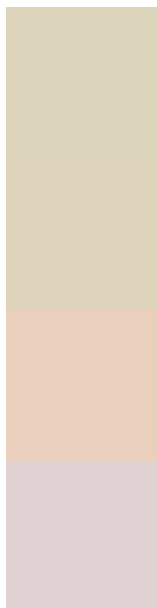
67.6346, 66.2140, 57.3600



## Tritanopia

67.3745, 66.6623, 79.8371

# Trichromacy



## Original Color

62.5827, 66.5485, 56.5604

## Protanomaly

62.6373, 66.2044, 56.4911

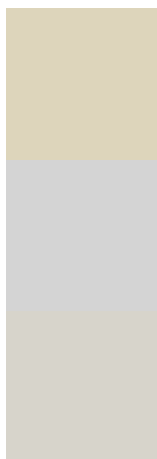
## Deuteranomaly

65.5647, 66.2350, 56.9060

## Tritanomaly

65.5449, 66.6436, 71.0369

# Monochromacy



## Original Color

62.5827, 66.5485, 56.5604

## Achromatopsia

62.5785, 65.8375, 71.6970

## Achromatomaly

62.3473, 65.8458, 65.9234

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.5827, 66.5485, 56.5604 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(221, 213, 187)` looks like.

```
.text, #text, p{  
    color:rgb(221, 213, 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(221, 213, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 213, 187) }
```

## Border

The CSS property to change the border of an element to XYZ 62.5827, 66.5485, 56.5604 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(221, 213, 187) }
```



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

```
.border{ border-color:rgb(221, 213, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 213, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 213, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 213, 187); box-shadow:4px 4px 4px 4px rgb(221, 213, 187) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.5827, 66.5485, 56.5604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 213, 187) }
```

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

```
.background{ background-color: rgb(221,  
213, 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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