

# Converting Colors

XYZ(62.9085, 66.8822, 63.8264)

Have a look what the booklet for  
XYZ(62.9085, 66.8822, 63.8264)  
contains.

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# Color

**XYZ(62.9706, 66.9684,  
63.6401)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9D6C7
RGB	217, 214, 199
RGB Percent	85%, 84%, 78%
CMY	0.1490, 0.1608, 0.2196
CMYK	0.00, 0.01, 0.08, 0.15
HSL	50°, 19%, 82%
HSV	50°, 8%, 85%
XYZ	62.9706, 66.9684, 63.6401
YIQ	213.1870, 6.6030, -4.0290

# Conversions

## Conversions Part 2

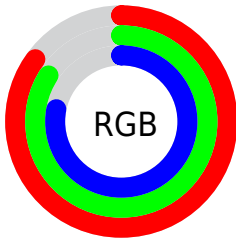
Format	Color
R <sub>Y</sub> B	203, 217, 199
Decimal	14276295
CIE Lab	85.49, -1.57, 7.76
CIE LCh	85, 7.916, 101.405
Yxy	66.9684, 0.3253, 0.3459
Android (android.graphics.Color)	4292466375 (0xFFD9D6C7)
YUV	213.1870, -6.9942, 3.3440
Hunter-Lab	81.8342, -5.8560, 11.1758

# Details

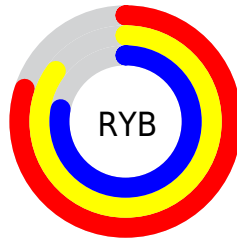
The XYZ color **62.9706, 66.9684, 63.6401** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **57.1979, 59.3917, 74.0953**, and the grayscale version is **63.4148, 66.7173, 72.6551**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.4093, 34.5220, 31.7433** is the 20% darker color. If you saturate the color by 10%, you get **59.7255, 64.2263, 51.0017**, and if you desaturate by 10%, it is **66.5990, 69.9006, 78.1804**.

# Distribution



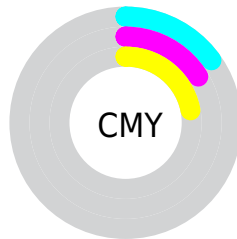
- Red (85%)
- Green (84%)
- Blue (78%)



- Red (80%)
- Yellow (85%)
- Blue (78%)



- Cyan (0%)
- Magenta (1%)
- Yellow (8%)
- Black (15%)



- Cyan (15%)
- Magenta (16%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.9706, 66.9684, 63.6401 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 62.9706, 66.9684, 63.6401 by changing the saturation by 10% instead.



■ 62.9706, 66.9684,  
63.6401

■ 62.9706, 66.9684,  
63.6401

425.1241,  
449.8323, 456.0606

■ 46.0760, 49.0589,  
45.9149

108.2091,  
114.8751, 111.6869

■ 32.5107, 34.6662,  
31.8305

137.2838,  
145.6412, 142.8457

■ 21.9093, 23.4059,  
20.9683

171.1491,  
181.4616, 179.3193

■ 13.9065, 14.8935,  
12.9098

210.1706,  
222.7207, 221.5265

■ 8.1369, 8.7447,  
7.2365

254.7134,  
269.8029, 269.8856

■ 4.2352, 4.5750,  
3.5298

305.1431,

■ 1.8361, 2.0001,

323.0927, 324.8153

1.3711

361.8249,  
382.9743, 386.7341

■ 0.5392, 0.6076,  
0.1190

■ 0.0000, 0.0000,  
0.0000

■ 62.9706, 66.9684,  
63.6401

■ 62.9706, 66.9684,  
63.6401

■ 59.7255, 64.2263,  
51.0017

■ 66.5990, 69.9006,  
78.1804

■ 56.8428, 61.6592,  
40.1813

■ 70.6196, 73.0201,  
94.6933

■ 54.3082, 59.2634,  
31.0948

■ 73.5472, 75.7353,  
105.3498

■ 52.1040, 57.0315,  
23.6501

■ 74.5330, 77.7067,  
105.6783

■ 50.2109, 54.9556,  
17.7462

■ 75.5394, 79.7197,  
106.0138

■ 48.6075, 53.0270,  
13.2712

■ 76.5668, 81.7745,  
106.3563

■ 47.2695, 51.2357,  
10.0981

■ 77.6152, 83.8713,  
106.7058

■ 46.1685, 49.5701,  
8.0772

■ 78.6847, 86.0103,  
107.0623

■ 45.2624, 48.0132,  
6.9882

■ 79.7755, 88.1919,  
107.4259

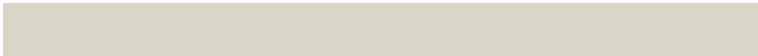
# Harmonies

## Analogous

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



64.7597, 66.9684, 63.9339



62.9706, 66.9684, 63.6401



61.3933, 66.9684, 65.7434

# Triad

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



62.9706, 66.9684, 63.6401



61.0946, 66.9684, 79.6602



66.9831, 66.9684, 76.1187

# Complementary

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



62.9706, 66.9684, 63.6401



57.1979, 59.3917, 74.0953

# 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.



65.9643, 66.9684, 80.5947



62.9706, 66.9684, 63.6401



62.5559, 66.9684, 82.7049

# Square

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



62.9706, 66.9684, 63.6401



60.3239, 66.9684, 74.8917



64.3372, 66.9684, 83.0547



67.0992, 66.9684, 70.9777

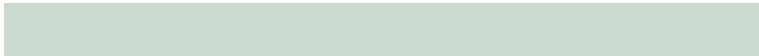


# Rectangle

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



62.9706, 66.9684, 63.6401



60.6654, 66.9684, 68.2825



64.3372, 66.9684, 83.0547



66.7339, 66.9684, 77.7571

# Sweetspot

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



62.9724, 66.9713, 63.6415



93.9695, 99.1355, 104.5426



59.7001, 59.8637, 64.2863



20.1247, 21.2282, 22.4221



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.



62.9724, 66.9713, 63.6415



89.8739, 95.7874, 88.2472



61.9863, 67.5988, 63.8146



13.9682, 14.8757, 13.8607



27.3780, 29.0415, 4.1626



1.8237, 1.9815, 0.2864



# Inverse Universe

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



57.1979, 59.3917, 74.0953



79.8728, 82.6601, 106.3530



58.1255, 58.8367, 73.9393



12.5129, 12.9656, 16.4952



8.0175, 3.9043, 40.0694

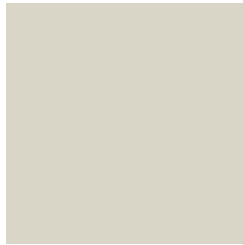


0.5741, 0.3623, 2.6141



# Previews

## White Background



This preview shows how the XYZ color 62.9706, 66.9684, 63.6401 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

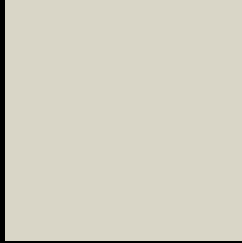
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.9706, 66.9684, 63.6401 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

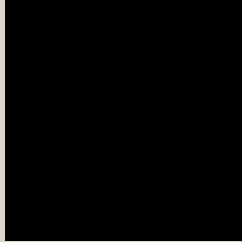
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 62.9706, 66.9684, 63.6401

## Background



This preview shows how black text looks on a background with the XYZ color 62.9706, 66.9684, 63.6401.



This preview shows how white text looks on a background with the XYZ color 62.9706, 66.9684,



# 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

62.9706, 66.9684, 63.6401

### Protanopia

63.8061, 67.0379, 63.0027

### Deuteranopia

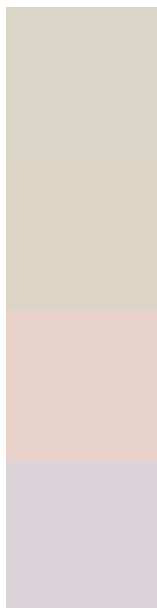
68.2105, 66.7104, 64.5396



## Tritanopia

66.5929, 66.9563, 81.3655

# Trichromacy



## Original Color

62.9706, 66.9684, 63.6401

## Protanomaly

63.5025, 66.8814, 62.9885

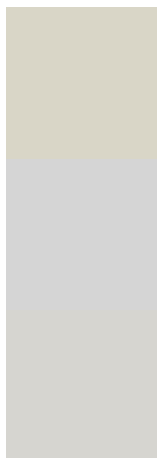
## Deuteranomaly

66.1808, 66.7600, 64.0414

## Tritanomaly

65.2041, 66.7620, 74.4155

# Monochromacy



## Original Color

62.9706, 66.9684, 63.6401

## Achromatopsia

63.2451, 66.5387, 72.4607

## Achromatomaly

62.9110, 66.4387, 69.1827

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.9706, 66.9684, 63.6401 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, 214, 199) looks like.

```
.text, #text, p{  
    color:rgb(217, 214, 199)  
}
```

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, 214, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 214, 199) }
```

## Border

The CSS property to change the border of an element to XYZ 62.9706, 66.9684, 63.6401 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, 214, 199) }
```



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

```
.border{ border-color:rgb(217, 214, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 214, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 214, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 214, 199);  
box-shadow:4px 4px 4px 4px rgb(217, 214,  
199) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.9706, 66.9684, 63.6401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 214, 199) }
```

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

```
.background{ background-color: rgb(217,  
214, 199) }
```

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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