

# Converting Colors

XYZ(62.6648, 70.4474, 72.3415)

Have a look what the booklet for  
XYZ(62.6648, 70.4474, 72.3415)  
contains.

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# Color

**XYZ(62.6267, 70.4823,  
72.5910)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9E0D4
RGB	201, 224, 212
RGB Percent	79%, 88%, 83%
CMY	0.2118, 0.1215, 0.1686
CMYK	0.10, 0.00, 0.05, 0.12
HSL	149°, 27%, 83%
HSV	149°, 10%, 88%
XYZ	62.6267, 70.4823, 72.5910
YIQ	215.7550, -9.8560, -8.6080

# Conversions

## Conversions Part 2

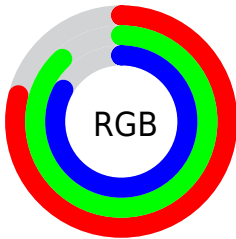
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">201, 217, 224</a>
Decimal	<a href="#">13230292</a>
CIELab	<a href="#">87.23, -9.88, 3.27</a>
CIElCh	<a href="#">87, 10.408, 161.691</a>
Yxy	<a href="#">70.4823, 0.3045, 0.3426</a>
Android (android.graphics.Color)	<a href="#">4291420372</a> ( <a href="#">0xFFC9E0D4</a> )
YUV	<a href="#">215.7550, -1.8512, -12.9401</a>
Hunter-Lab	<a href="#">83.9537, -13.7640, 7.5022</a>

# Details

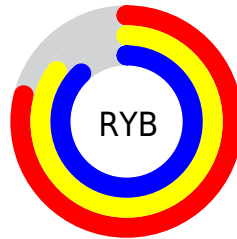
The XYZ color **62.6267, 70.4823, 72.5910** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.6399, 62.4264, 71.6494**, and the grayscale version is **65.1222, 68.5136, 74.6113**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.3064, 37.0133, 37.3398** is the 20% darker color. If you saturate the color by 10%, you get **55.6173, 67.0350, 64.8432**, and if you desaturate by 10%, it is **70.6250, 74.4310, 80.9453**.

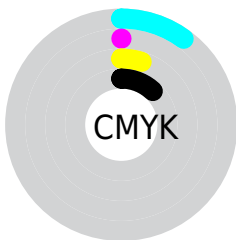
# Distribution



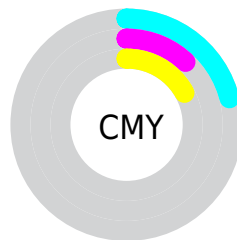
- Red (79%)
- Green (88%)
- Blue (83%)



- Red (79%)
- Yellow (85%)
- Blue (88%)



- Cyan (10%)
- Magenta (0%)
- Yellow (5%)
- Black (12%)



- Cyan (21%)
- Magenta (12%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.6267, 70.4823, 72.5910 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 62.6267, 70.4823, 72.5910 by changing the saturation by 10% instead.



62.6267, 70.4823,  
72.5910

62.6267, 70.4823,  
72.5910

423.8947,  
462.2416, 488.6288

45.7968, 51.9198,  
53.1518

107.7156,  
119.8963, 124.6119

32.2894, 36.9412,  
37.5354

136.7053,  
151.5166, 158.0308

21.7393, 25.1619,  
25.3233

170.4790,  
188.2583, 196.9465

13.7810, 16.1978,  
16.0969

209.4021,  
230.5058, 241.7778

8.0492, 9.6642,  
9.4376

253.8398,  
278.6435, 292.9432

4.1785, 5.1769,  
4.9270

304.1576,

1.8036, 2.3514,

333.0558, 350.8611

2.1465

360.7207,  
394.1270, 415.9501

■ 0.5198, 0.8007,  
0.6433

■ 0.0000, 0.0000,  
0.0000

■ 62.6267, 70.4823,  
72.5910

■ 62.6267, 70.4823,  
72.5910

■ 55.6173, 67.0350,  
64.8432

■ 70.6250, 74.4310,  
80.9453

■ 49.5507, 64.0598,  
57.6836

■ 79.6441, 78.8913,  
89.9146

■ 44.3860, 61.5377,  
51.0997

■ 84.6960, 81.2936,  
99.2779

■ 40.0769, 59.4451,  
45.0769

■ 85.9470, 81.7940,  
105.8657

■ 36.5727, 57.7562,  
39.5996

■ 33.8170, 56.4422,  
34.6517

■ 31.7456, 55.4704,  
30.2163

■ 30.2827, 54.8020,  
26.2748

■ 29.3170, 54.3780,  
22.8932

# Harmonies

## Analogous

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



63.9130, 70.4823, 67.1222



62.6267, 70.4823, 72.5910



62.4925, 70.4823, 79.5037

# Triad

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



62.6267, 70.4823, 72.5910



67.9484, 70.4823, 90.6966



70.5634, 70.4823, 68.1325

# Complementary

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



62.6267, 70.4823, 72.5910



63.6399, 62.4264, 71.6494

# 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.



71.7010, 70.4823, 74.0474



62.6267, 70.4823, 72.5910



70.1669, 70.4823, 87.2423

# Square

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



62.6267, 70.4823, 72.5910



65.5253, 70.4823, 90.2476



71.5541, 70.4823, 81.0509



68.4790, 70.4823, 64.6581



# Rectangle

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



62.6267, 70.4823, 72.5910



63.0703, 70.4823, 84.0354



71.5541, 70.4823, 81.0509



71.0715, 70.4823, 69.8856

# Sweetspot

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



62.6287, 70.4853, 72.5926



91.6552, 98.3234, 105.4211



64.7188, 71.7177, 65.6911



19.4283, 20.9516, 22.3682



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

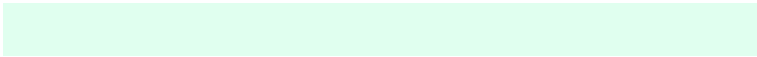


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



62.6287, 70.4853, 72.5926



82.2094, 93.6652, 95.4330



64.0962, 71.0723, 80.3207



13.8004, 15.4459, 15.9840



17.1212, 31.6733, 13.6270



1.2318, 2.2134, 1.1818



# Inverse Universe

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



63.6399, 62.4264, 71.6494



83.7861, 81.0997, 93.9623



62.2623, 61.8754, 64.3949



14.0045, 13.8194, 15.7937



19.8168, 9.9937, 10.9667



1.4188, 0.7108, 0.9981



# Previews

## White Background



This preview shows how the XYZ color 62.6267, 70.4823, 72.5910 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

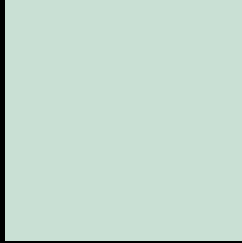
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.6267, 70.4823, 72.5910 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

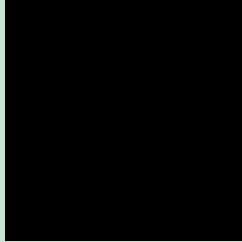
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

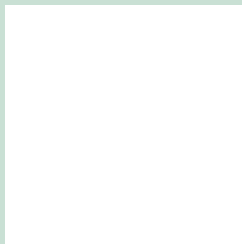
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 62.6267, 70.4823, 72.5910**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.6267, 70.4823, 72.5910.



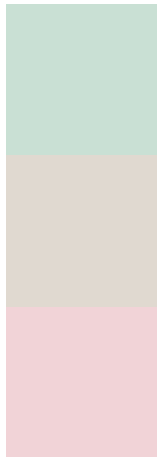
This preview shows how white text looks on a background with the XYZ color 62.6267, 70.4823, 72.5910.



# 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

62.6267, 70.4823, 72.5910

### Protanopia

66.9385, 70.0271, 69.6630

### Deuteranopia

71.8356, 70.1956, 74.0529



## Tritanopia

66.2027, 70.3386, 90.9764

# Trichromacy



## Original Color

62.6267, 70.4823, 72.5910

## Protanomaly

65.4207, 70.3888, 70.4600

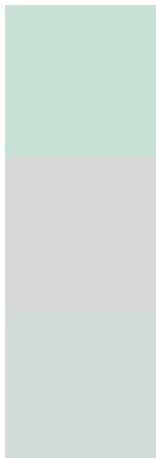
## Deuteranomaly

68.0575, 70.1355, 73.5688

## Tritanomaly

64.9011, 70.2074, 84.2595

# Monochromacy



## Original Color

62.6267, 70.4823, 72.5910

## Achromatopsia

65.2694, 68.6685, 74.7800

## Achromatomaly

64.4612, 69.4182, 74.2916

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.6267, 70.4823, 72.5910 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(201, 224, 212) looks like.

```
.text, #text, p{  
    color:rgb(201, 224, 212)  
}
```

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(201, 224, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 224, 212) }
```

## Border

The CSS property to change the border of an element to XYZ 62.6267, 70.4823, 72.5910 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(201, 224, 212) }
```



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

```
.border{ border-color:rgb(201, 224, 212) }
```

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

Here you see how a box with a 4 pixel rgb(201, 224, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 224, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 224, 212);  
box-shadow:4px 4px 4px 4px rgb(201, 224,  
212) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.6267, 70.4823, 72.5910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 224, 212) }
```

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

```
.background{ background-color: rgb(201,  
224, 212) }
```

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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