

# Converting Colors

XYZ(62.7286, 70.1678, 79.1306)

Have a look what the booklet for  
XYZ(62.7286, 70.1678, 79.1306)  
contains.

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# Color

**XYZ(62.5985, 69.9196,  
79.3038)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5DFDE
RGB	197, 223, 222
RGB Percent	77%, 87%, 87%
CMY	0.2274, 0.1255, 0.1294
CMYK	0.12, 0.00, 0.00, 0.13
HSL	178°, 29%, 82%
HSV	178°, 12%, 87%
XYZ	62.5985, 69.9196, 79.3038
YIQ	215.1120, -15.1750, -5.8230

# Conversions

## Conversions Part 2

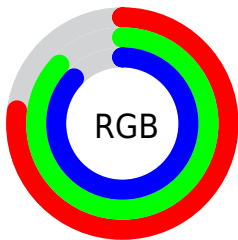
<b>Format</b>	<b>Color</b>
<b>RYB</b>	197, 210, 223
Decimal	12967902
CIELab	86.96, -8.76, -2.43
CIElCh	87, 9.091, 195.522
Yxy	69.9196, 0.2955, 0.3301
Android (android.graphics.Color)	4291157982 (0xFFC5DFDE)
YUV	215.1120, 3.3958, -15.8842
Hunter-Lab	83.6179, -12.7018, 2.3015

# Details

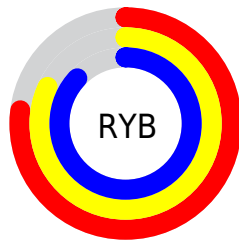
The XYZ color **62.5985, 69.9196, 79.3038** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **60.5933, 59.6997, 61.7589**, and the grayscale version is **64.6539, 68.0209, 74.0748**.

A 20% lighter version of the original color is **94.6831, 99.8108, 108.8828**, and **32.3054, 36.6349, 41.9278** is the 20% darker color. If you saturate the color by 10%, you get **57.0712, 67.0854, 78.4461**, and if you desaturate by 10%, it is **68.9942, 73.2052, 80.2081**.

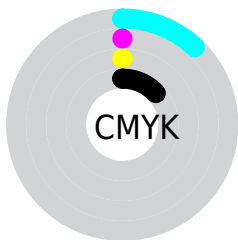
# Distribution



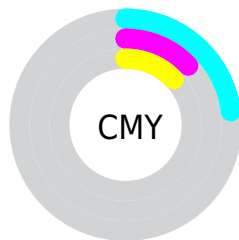
- Red (77%)
- Green (87%)
- Blue (87%)



- Red (77%)
- Yellow (82%)
- Blue (87%)



- Cyan (12%)
- Magenta (0%)
- Yellow (0%)
- Black (13%)



- Cyan (23%)
- Magenta (13%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.5985, 69.9196, 79.3038 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 62.5985, 69.9196, 79.3038 by changing the saturation by 10% instead.



62.5985, 69.9196,  
79.3038

62.5985, 69.9196,  
79.3038

423.7937,  
460.2677, 512.2282

45.7739, 51.4610,  
58.6228

107.6751,  
119.0941, 134.1890

32.2713, 36.5756,  
41.8916

136.6579,  
150.5788, 169.2303

21.7254, 24.8791,  
28.6915

170.4240,  
187.1742, 209.8955

13.7707, 15.9870,  
18.6040

209.3390,  
229.2649, 256.6031

8.0420, 9.5149,  
11.2106

253.7681,  
277.2352, 309.7716

4.1739, 5.0786,  
6.0927

304.0767,

1.8010, 2.2934,

331.4695, 369.8196

2.8318

360.6301,  
392.3522, 437.1656

■ 0.5182, 0.7702,  
1.0094

■ 0.0000, 0.0000,  
0.0000

■ 62.5985, 69.9196,  
79.3038

■ 62.5985, 69.9196,  
79.3038

■ 57.0712, 67.0854,  
78.4461

■ 68.9942, 73.2052,  
80.2081

■ 52.3686, 64.6743,  
77.6286

■ 76.2877, 76.9518,  
81.1561

■ 48.4520, 62.6684,  
76.8510

■ 81.1627, 79.4514,  
81.9939

■ 45.2774, 61.0449,  
76.1111

■ 81.2801, 79.4984,  
82.6122

■ 42.7964, 59.7789,  
75.4068

■ 81.3981, 79.5456,  
83.2336

■ 40.9551, 58.8426,  
74.7354

■ 81.5167, 79.5930,  
83.8582

■ 39.6913, 58.2040,  
74.0941

■ 81.6359, 79.6407,  
84.4858

■ 38.9307, 57.8247,  
73.4794

■ 81.7557, 79.6886,  
85.1166

■ 38.5779, 57.6535,  
72.9823

■ 81.8761, 79.7367,  
85.7505

# Harmonies

## Analogous

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



62.5800, 69.9196, 73.2436



62.5985, 69.9196, 79.3038



63.6359, 69.9196, 84.7850

# Triad

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



62.5985, 69.9196, 79.3038



69.4134, 69.9196, 84.6231



67.4828, 69.9196, 65.3577

# Complementary

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



62.5985, 69.9196, 79.3038



60.5933, 59.6997, 61.7589

# 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.



69.3592, 69.9196, 68.0860



62.5985, 69.9196, 79.3038



70.4898, 69.9196, 79.0923

# Square

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



62.5985, 69.9196, 79.3038



67.5554, 69.9196, 87.9658



70.4698, 69.9196, 73.0431



65.3695, 69.9196, 65.4076



# Rectangle

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



62.5985, 69.9196, 79.3038



64.7786, 69.9196, 87.2797



70.4698, 69.9196, 73.0431



68.1631, 69.9196, 65.9737

# Sweetspot

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



62.6005, 69.9225, 79.3054



92.2438, 98.5589, 108.5208



59.8357, 68.8561, 62.9615



19.5875, 21.0153, 23.2064



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.



62.6005, 69.9225, 79.3054



82.8928, 93.7582, 107.1777



59.7162, 63.9381, 79.0093



14.0925, 15.5627, 17.5225



22.6922, 33.9017, 42.9635



1.5801, 2.3528, 3.0160



# Inverse Universe

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



60.5933, 59.6997, 61.7589



79.6580, 77.2830, 78.9001



63.2389, 65.1755, 62.0717



13.7286, 13.7091, 14.3408



17.9304, 9.2392, 1.0332

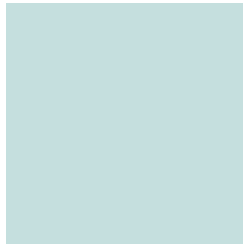


1.2505, 0.6435, 0.1120



# Previews

## White Background



This preview shows how the XYZ color 62.5985, 69.9196, 79.3038 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

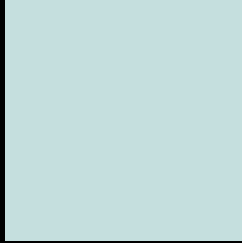
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.5985, 69.9196, 79.3038 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

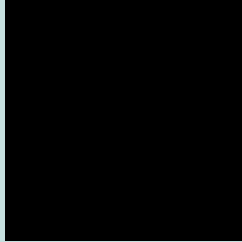
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

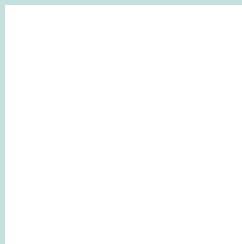
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 62.5985, 69.9196, 79.3038

## Background



This preview shows how black text looks on a background with the XYZ color 62.5985, 69.9196, 79.3038.



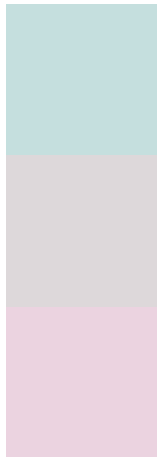
This preview shows how white text looks on a background with the XYZ color 62.5985, 69.9196,



# 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

62.5985, 69.9196, 79.3038

### Protanopia

67.0295, 69.5458, 76.2205

### Deuteranopia

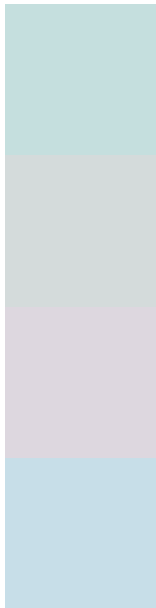
71.0098, 69.6325, 80.2188



## Tritanopia

65.1085, 70.1653, 91.0006

# Trichromacy



## Original Color

62.5985, 69.9196, 79.3038

## Protanomaly

65.2691, 69.7746, 77.0456

## Deuteranomaly

67.4385, 69.3007, 79.6340

## Tritanomaly

64.2400, 70.2109, 86.5102

# Monochromacy



## Original Color

62.5985, 69.9196, 79.3038

## Achromatopsia

64.5905, 67.9542, 74.0022

## Achromatomaly

63.7387, 68.6147, 76.2142

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.5985, 69.9196, 79.3038 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(197, 223, 222)` looks like.

```
.text, #text, p{  
    color:rgb(197, 223, 222)  
}
```

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(197, 223, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 223, 222) }
```

## Border

The CSS property to change the border of an element to XYZ 62.5985, 69.9196, 79.3038 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(197, 223, 222) }
```



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

```
.border{ border-color:rgb(197, 223, 222) }
```

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

Here you see how a box with a 4 pixel rgb(197, 223, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 223, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 223, 222);  
box-shadow:4px 4px 4px 4px rgb(197, 223,  
222) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.5985, 69.9196, 79.3038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 223, 222) }
```

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

```
.background{ background-color: rgb(197,  
223, 222) }
```

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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