

# Converting Colors

XYZ(68.7279, 75.1686, 82.2929)

Have a look what the booklet for  
XYZ(68.7279, 75.1686, 82.2929)  
contains.

<b>XYZ(68.4854, 74.9201, 82.0856)</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(68.4854, 74.9201,  
82.0856)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4E4E1
RGB	212, 228, 225
RGB Percent	83%, 89%, 88%
CMY	0.1686, 0.1059, 0.1176
CMYK	0.07, 0.00, 0.01, 0.11
HSL	169°, 23%, 86%
HSV	169°, 7%, 89%
XYZ	68.4854, 74.9201, 82.0856
YIQ	222.8740, -8.5730, -4.3250

# Conversions

## Conversions Part 2

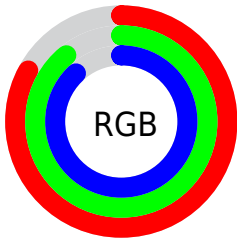
Format	Color
R <sub>Y</sub> B	212, 221, 228
Decimal	13952225
CIE Lab	89.36, -5.87, -0.38
CIE LCh	89, 5.878, 183.687
Yxy	74.9201, 0.3037, 0.3323
Android (android.graphics.Color)	4292142305 (0xFFD4E4E1)
YUV	222.8740, 1.0481, -9.5365
Hunter-Lab	86.5564, -10.2404, 4.3619

# Details

The XYZ color **68.4854, 74.9201, 82.0856** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.8069, 68.4893, 73.9395**, and the grayscale version is **70.0487, 73.6967, 80.2557**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.1039, 39.9575, 43.8399** is the 20% darker color. If you saturate the color by 10%, you get **61.7952, 71.5399, 78.7644**, and if you desaturate by 10%, it is **76.1226, 78.7910, 85.5306**.

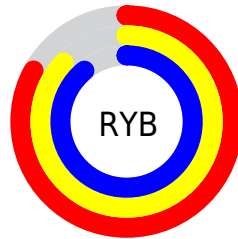
# Distribution



Red (83%)

Green (89%)

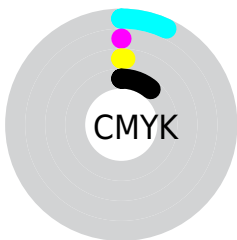
Blue (88%)



Red (83%)

Yellow (87%)

Blue (89%)

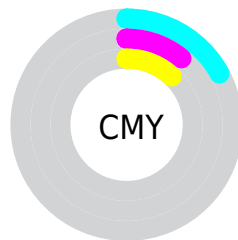


Cyan (7%)

Magenta (0%)

Yellow (1%)

Black (11%)



Cyan (17%)

Magenta (11%)

Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.4854, 74.9201, 82.0856 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 68.4854, 74.9201, 82.0856 by changing the saturation by 10% instead.



■ 68.4854, 74.9201,  
82.0856

■ 68.4854, 74.9201,  
82.0856

444.5637,  
477.6429, 521.8249

■ 50.5678, 55.5474,  
60.8999

116.0844,  
126.1993, 138.1318

■ 36.0844, 39.8402,  
43.7143

146.4965,  
158.8745, 173.8293

■ 24.6698, 27.4140,  
30.1104

181.8042,  
196.7528, 215.2012

■ 15.9587, 17.8844,  
19.6697

222.3728,  
240.2185, 262.6660

■ 9.5856, 10.8670,  
11.9735

268.5677,  
289.6559, 316.6423

■ 5.1852, 5.9775,  
6.6033

320.7543,

■ 2.3922, 2.8314,

345.4495, 377.5485

3.1406

379.2978,  
407.9837, 445.8032

■ 0.8412, 1.0443,  
1.1669

■ 0.0000, 0.0000,  
0.0000

■ 68.4854, 74.9201,  
82.0856

■ 68.4854, 74.9201,  
82.0856

■ 61.7952, 71.5399,  
78.7644

■ 76.1226, 78.7910,  
85.5306

■ 56.0069, 68.6208,  
75.5597


■ 83.7730, 82.6649,  
89.0516


■ 51.0811, 66.1447,  
72.4707


■ 84.3938, 82.9132,  
92.3211

■ 46.9729, 64.0885,  
69.4946


■ 85.0297, 83.1676,  
95.6693


 43.6335, 62.4270,  
66.6287


 85.6805, 83.4279,  
99.0967


 41.0087, 61.1322,  
63.8698


 86.3465, 83.6943,  
102.6039

 39.0372, 60.1726,  
61.2144

 87.0278, 83.9668,  
106.1913

 37.6470, 59.5110,  
58.6587

 87.0348, 83.9696,  
106.2283

 36.7448, 59.0995,  
56.1976

# Harmonies

## Analogous

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



68.7593, 74.9201, 78.1151



68.4854, 74.9201, 82.0856



68.9332, 74.9201, 86.0470

# Triad

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



68.4854, 74.9201, 82.0856



72.7540, 74.9201, 88.3436



72.4420, 74.9201, 74.6806

# Complementary

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



68.4854, 74.9201, 82.0856



67.8069, 68.4893, 73.9395

# 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.



73.5350, 74.9201, 77.2612



68.4854, 74.9201, 82.0856



73.7168, 74.9201, 85.1361

# Square

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



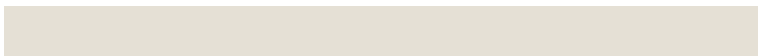
68.4854, 74.9201, 82.0856



71.3873, 74.9201, 89.7359



74.0045, 74.9201, 81.0670



71.0316, 74.9201, 73.9250



# Rectangle

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



68.4854, 74.9201, 82.0856



69.5843, 74.9201, 88.1243



74.0045, 74.9201, 81.0670



72.8594, 74.9201, 75.3590

# Sweetspot

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



68.4875, 74.9233, 82.0873



93.0448, 98.9840, 108.0037



67.7125, 74.7209, 73.1423



19.9364, 21.1973, 23.1267



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

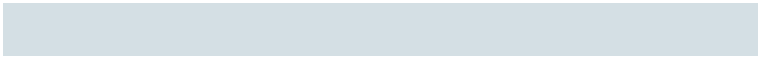
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.4875, 74.9233, 82.0873



87.3286, 96.0900, 105.3529



67.5984, 72.4835, 83.8304



14.6853, 16.2876, 17.8737



21.1308, 34.0844, 32.2527



1.5916, 2.5308, 2.5418



# Inverse Universe

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



67.8069, 68.4893, 73.9395



86.3296, 86.6461, 93.3939



68.6425, 70.7725, 72.3311



14.4869, 14.4120, 15.4987



18.7566, 9.6369, 2.3475

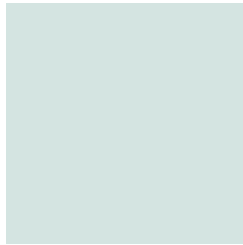


1.4177, 0.7248, 0.3400



# Previews

## White Background



This preview shows how the XYZ color 68.4854, 74.9201, 82.0856 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

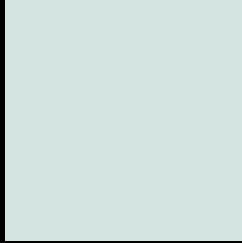
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.4854, 74.9201, 82.0856 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

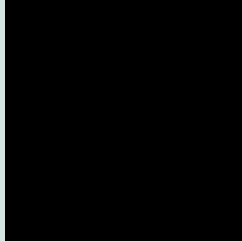
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

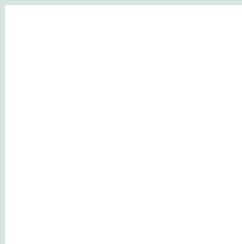
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 68.4854, 74.9201, 82.0856**

## **Background**



This preview shows how black text looks on a background with the XYZ color 68.4854, 74.9201, 82.0856.



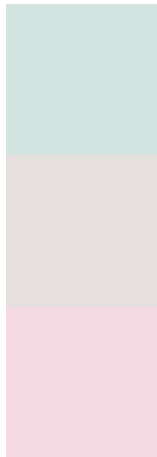
This preview shows how white text looks on a background with the XYZ color 68.4854, 74.9201,



# 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

68.4854, 74.9201, 82.0856

### Protanopia

71.8856, 74.7073, 79.7384

### Deuteranopia

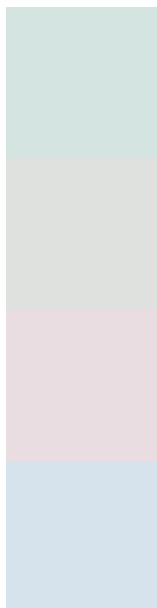
76.3342, 74.5842, 83.0460



## Tritanopia

71.1272, 74.7686, 95.4770

# Trichromacy



## Original Color

68.4854, 74.9201, 82.0856

## Protanomaly

70.6759, 74.8661, 80.5376

## Deuteranomaly

73.1882, 74.5275, 82.4793

## Tritanomaly

70.0682, 74.7450, 90.0911

# Monochromacy



## Original Color

68.4854, 74.9201, 82.0856

## Achromatopsia

70.1384, 73.7910, 80.3584

## Achromatomaly

69.5932, 74.2923, 81.1929

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.4854, 74.9201, 82.0856 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(212, 228, 225) looks like.

```
.text, #text, p{  
    color:rgb(212, 228, 225)  
}
```

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(212, 228, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 228, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 68.4854, 74.9201, 82.0856 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(212, 228, 225) }
```



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

```
.border{ border-color:rgb(212, 228, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 228, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 228, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 228, 225);  
box-shadow:4px 4px 4px 4px rgb(212, 228,  
225) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.4854, 74.9201, 82.0856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 228, 225) }
```

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

```
.background{ background-color: rgb(212,  
228, 225) }
```

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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