

# Converting Colors

XYZ(68.2892, 74.1944, 71.1519)

Have a look what the booklet for  
XYZ(68.2892, 74.1944, 71.1519)  
contains.

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# **Color**

**XYZ(68.2202, 74.2118,  
71.0503)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DCE2D1
RGB	220, 226, 209
RGB Percent	86%, 89%, 82%
CMY	0.1372, 0.1137, 0.1804
CMYK	0.03, 0.00, 0.08, 0.11
HSL	81°, 23%, 85%
HSV	81°, 8%, 89%
XYZ	68.2202, 74.2118, 71.0503
YIQ	222.2680, 1.8810, -6.5590

# Conversions

## Conversions Part 2

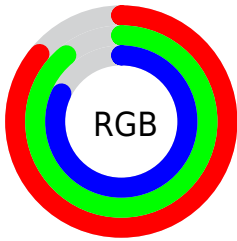
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	209, 226, 215
Decimal	14475985
CIE Lab	89.02, -5.01, 7.60
CIE LCh	89, 9.103, 123.390
Yxy	74.2118, 0.3196, 0.3476
Android (android.graphics.Color)	4292666065 (0xFFDCE2D1)
YUV	222.2680, -6.5411, -1.9890
Hunter-Lab	86.1463, -9.3998, 11.4022

# Details

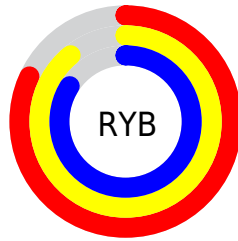
The XYZ color **68.2202, 74.2118, 71.0503** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.5551, 65.5410, 81.2036**, and the grayscale version is **69.6661, 73.2942, 79.8174**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.9964, 39.4917, 36.7358** is the 20% darker color. If you saturate the color by 10%, you get **63.2609, 71.9581, 57.2334**, and if you desaturate by 10%, it is **73.6959, 76.6902, 86.9665**.

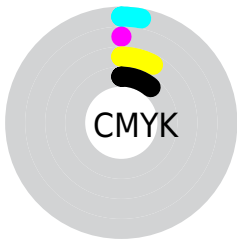
# Distribution



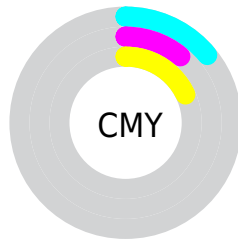
- Red (86%)
- Green (89%)
- Blue (82%)



- Red (82%)
- Yellow (89%)
- Blue (84%)



- Cyan (3%)
- Magenta (0%)
- Yellow (8%)
- Black (11%)



- Cyan (14%)
- Magenta (11%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.2202, 74.2118, 71.0503 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 68.2202, 74.2118, 71.0503 by changing the saturation by 10% instead.



■ 68.2202, 74.2118,  
71.0503

■ 68.2202, 74.2118,  
71.0503

443.6403,  
475.2040, 483.1176

■ 50.3512, 54.9674,  
51.9012

115.7073,  
125.1960, 122.4005

■ 35.9115, 39.3756,  
36.5446

146.0561,  
157.7046, 155.4386

■ 24.5356, 27.0521,  
24.5621

181.2956,  
195.4034, 193.9434

■ 15.8583, 17.6123,  
15.5350

221.7911,  
238.6768, 238.3336

■ 9.5142, 10.6720,  
9.0450

267.9079,  
287.9091, 289.0275

■ 5.1378, 5.8468,  
4.6733

320.0115,

■ 2.3639, 2.7521,

343.4849, 346.4438

2.0015

378.4672,  
405.7884, 411.0010

■ 0.8271, 1.0037,  
0.5562

■ 0.0000, 0.0000,  
0.0000

■ 68.2202, 74.2118,  
71.0503

■ 68.2202, 74.2118,  
71.0503

■ 63.2609, 71.9581,  
57.2334

■ 73.6959, 76.6902,  
86.9665

■ 58.7937, 69.9119,  
45.4232

■ 79.6991, 79.3907,  
105.0596

■ 54.8011, 68.0685,  
35.5276

■ 82.5360, 80.8384,  
105.8610

■ 51.2624, 66.4195,  
27.4454

■ 85.3646, 82.2966,  
105.9934

■ 48.1547, 64.9554,  
21.0657

■ 86.4878, 82.8756,  
106.0459

■ 45.4532, 63.6662,  
16.2660

■ 43.1295, 62.5402,  
12.9070

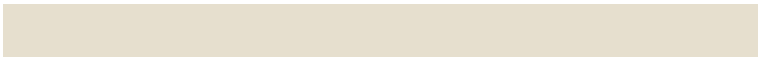
■ 41.1509, 61.5642,  
10.8252

■ 39.4736, 60.7205,  
9.8005

# Harmonies

## Analogous

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



70.2848, 74.2118, 69.2394



68.2202, 74.2118, 71.0503



66.7997, 74.2118, 75.4676

# Triad

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



68.2202, 74.2118, 71.0503



68.6473, 74.2118, 92.1965



74.8696, 74.2118, 80.0856

# Complementary

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



68.2202, 74.2118, 71.0503



64.5551, 65.5410, 81.2036

# 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.



74.4093, 74.2118, 86.3863



68.2202, 74.2118, 71.0503



70.7880, 74.2118, 93.5896

# Square

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



68.2202, 74.2118, 71.0503



67.0426, 74.2118, 87.6978



72.9038, 74.2118, 91.4119



74.1488, 74.2118, 74.2814

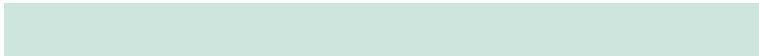


# Rectangle

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



68.2202, 74.2118, 71.0503



66.3932, 74.2118, 79.4093



72.9038, 74.2118, 91.4119



74.8479, 74.2118, 82.2150

# Sweetspot

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



68.2222, 74.2150, 71.0519



93.5802, 99.3359, 104.6018



67.1630, 69.3501, 70.1687



20.0455, 21.2690, 22.4341



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

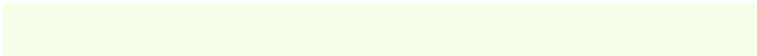


# Same Dimension

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



68.2222, 74.2150, 71.0519



88.6538, 97.1043, 90.4516



65.7291, 72.9298, 70.9352



14.3776, 15.7748, 14.5938



22.4318, 34.5965, 5.4955



1.6509, 2.4475, 0.3854



# Inverse Universe

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



64.5551, 65.5410, 81.2036



82.9081, 83.5136, 106.3577



67.1008, 66.8533, 81.3228



13.4064, 13.4775, 17.2825



9.8262, 4.1609, 41.3336

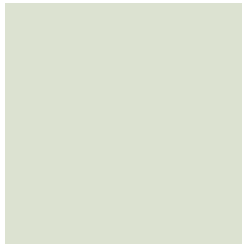


0.7759, 0.3373, 2.8695



# Previews

## White Background



This preview shows how the XYZ color 68.2202, 74.2118, 71.0503 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

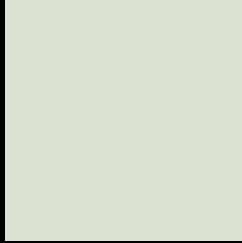
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.2202, 74.2118, 71.0503 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

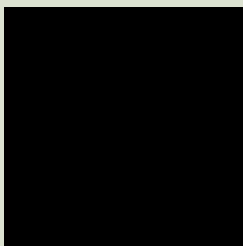
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

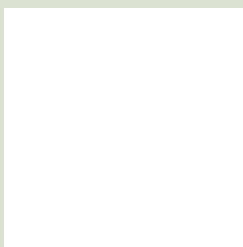
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 68.2202, 74.2118, 71.0503**

## **Background**



This preview shows how black text looks on a background with the XYZ color 68.2202, 74.2118, 71.0503.



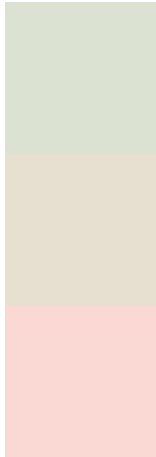
This preview shows how white text looks on a background with the XYZ color 68.2202, 74.2118,



# 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

68.2202, 74.2118, 71.0503

### Protanopia

70.6052, 74.2693, 69.6456

### Deuteranopia

75.7381, 74.1389, 71.9464



## Tritanopia

72.7526, 74.4821, 92.2034

# Trichromacy



## Original Color

68.2202, 74.2118, 71.0503

## Protanomaly

69.7194, 74.1963, 70.3212

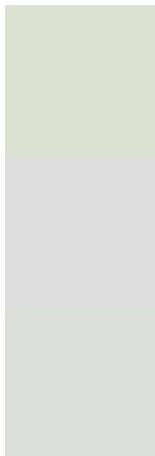
## Deuteranomaly

72.8227, 74.1903, 71.4548

## Tritanomaly

70.8227, 74.0648, 83.9620

# Monochromacy



## Original Color

68.2202, 74.2118, 71.0503

## Achromatopsia

69.4303, 73.0461, 79.5472

## Achromatomaly

68.7309, 73.1573, 76.1439

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.2202, 74.2118, 71.0503 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(220, 226, 209) looks like.

```
.text, #text, p{  
    color:rgb(220, 226, 209)  
}
```

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(220, 226, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 226, 209) }
```

## Border

The CSS property to change the border of an element to XYZ 68.2202, 74.2118, 71.0503 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(220, 226, 209) }
```



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

```
.border{ border-color:rgb(220, 226, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 226, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 226, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 226, 209);  
box-shadow:4px 4px 4px 4px rgb(220, 226,  
209) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.2202, 74.2118, 71.0503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 226, 209) }
```

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

```
.background{ background-color: rgb(220,  
226, 209) }
```

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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