

# Converting Colors

XYZ(68.8259, 74.4096, 82.2225)

Have a look what the booklet for  
XYZ(68.8259, 74.4096, 82.2225)  
contains.

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# Color

**XYZ(68.8113, 74.2760,  
81.9441)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D7E2E1
RGB	215, 226, 225
RGB Percent	84%, 89%, 88%
CMY	0.1569, 0.1137, 0.1176
CMYK	0.05, 0.00, 0.00, 0.11
HSL	175°, 16%, 86%
HSV	175°, 5%, 89%
XYZ	68.8113, 74.2760, 81.9441
YIQ	222.5970, -6.2350, -2.6430

# Conversions

## Conversions Part 2

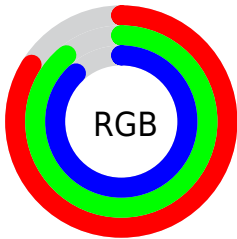
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	215, 221, 226
Decimal	14148321
CIE <sub>Lab</sub>	89.05, -3.85, -0.80
CIE <sub>LCh</sub>	89, 3.932, 191.671
Yxy	74.2760, 0.3058, 0.3301
Android (android.graphics.Color)	4292338401 (0xFFD7E2E1)
YUV	222.5970, 1.1847, -6.6626
Hunter-Lab	86.1835, -8.3019, 3.9550

# Details

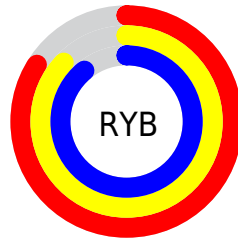
The XYZ color **68.8113, 74.2760, 81.9441** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.0619, 69.7295, 74.8412**, and the grayscale version is **69.8502, 73.4878, 80.0283**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.3158, 39.5017, 43.7407** is the 20% darker color. If you saturate the color by 10%, you get **62.3490, 70.9789, 80.1840**, and if you desaturate by 10%, it is **76.1980, 78.0534, 83.7682**.

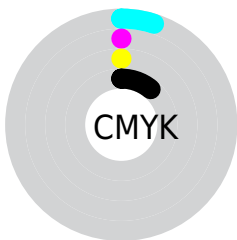
# Distribution



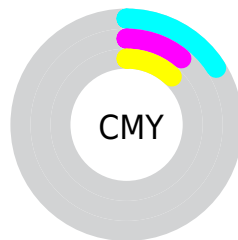
- Red (84%)
- Green (89%)
- Blue (88%)



- Red (84%)
- Yellow (87%)
- Blue (89%)



- Cyan (5%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)



- Cyan (16%)
- Magenta (11%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.8113, 74.2760, 81.9441 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 68.8113, 74.2760, 81.9441 by changing the saturation by 10% instead.



■ 68.8113, 74.2760,  
81.9441

■ 68.8113, 74.2760,  
81.9441

445.6969,  
475.4254, 521.3392

■ 50.8341, 55.0200,  
60.7839

116.5476,  
125.2870, 137.9316

■ 36.2971, 39.4177,  
43.6214

147.0374,  
157.8107, 173.5960

■ 24.8349, 27.0848,  
30.0380

182.4287,  
195.5258, 214.9322

■ 16.0822, 17.6369,  
19.6151

223.0871,  
238.8166, 262.3587

■ 9.6735, 10.6896,  
11.9343

269.3777,  
288.0676, 316.2941

■ 5.2437, 5.8586,  
6.5769

321.6660,

■ 2.4271, 2.7593,

343.6631, 377.1570

3.1246

380.3173,  
405.9876, 445.3659

■ 0.8587, 1.0074,  
1.1586

■ 0.0000, 0.0000,  
0.0000

■ 68.8113, 74.2760,  
81.9441

■ 68.8113, 74.2760,  
81.9441

■ 62.3490, 70.9789,  
80.1840

■ 76.1980, 78.0534,  
83.7682

■ 56.7673, 68.1334,  
78.4813

■ 82.5979, 81.3196,  
85.5625

■ 52.0285, 65.7219,  
76.8355

■ 82.8877, 81.4355,  
87.0886

■ 48.0896, 63.7225,  
75.2448

■ 83.1810, 81.5528,  
88.6328

44.9038, 62.1109,  
73.7068

83.4777, 81.6715,  
90.1951

42.4193, 60.8604,  
72.2190

83.7778, 81.7915,  
91.7756

40.5780, 59.9412,  
70.7787

84.0814, 81.9130,  
93.3743

39.3122, 59.3182,  
69.3826

84.3885, 82.0358,  
94.9913

38.5392, 58.9489,  
68.0268

84.6990, 82.1600,  
96.6268

# Harmonies

## Analogous

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



68.8657, 74.2760, 79.2289



68.8113, 74.2760, 81.9441



69.2322, 74.2760, 84.4265

# Triad

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



68.8113, 74.2760, 81.9441



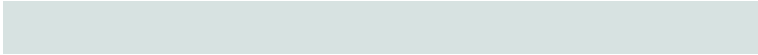
71.8269, 74.2760, 84.8724



71.1770, 74.2760, 75.9764

# Complementary

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



68.8113, 74.2760, 81.9441



68.0619, 69.7295, 74.8412

# 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.



71.9798, 74.2760, 77.4224



68.8113, 74.2760, 81.9441



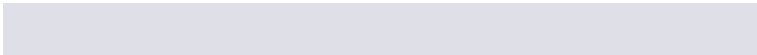
72.3573, 74.2760, 82.5416

# Square

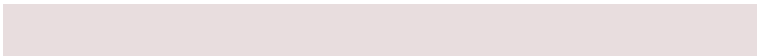
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.8113, 74.2760, 81.9441



70.9698, 74.2760, 86.1425



72.4136, 74.2760, 79.8131



70.2257, 74.2760, 75.8247



# Rectangle

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



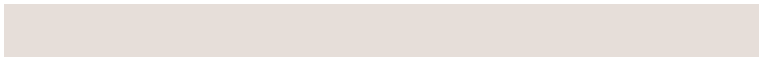
68.8113, 74.2760, 81.9441



69.7280, 74.2760, 85.5994



72.4136, 74.2760, 79.8131



71.4734, 74.2760, 76.3257

# Sweetspot

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



68.8134, 74.2792, 81.9457



94.0806, 99.5046, 108.6593



67.8128, 73.9164, 74.9843



20.1473, 21.3033, 23.2601



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

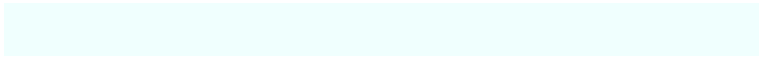


# Same Dimension

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



68.8134, 74.2792, 81.9457



89.4195, 97.1232, 107.4680



67.7692, 71.9709, 82.2751



14.4614, 15.7547, 17.4577



21.8522, 33.5657, 38.5402



1.5307, 2.3330, 2.7556



# Inverse Universe

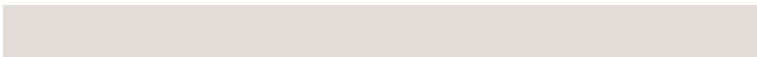
The Inverse Universe completely reimagines the original color for something new.



68.0619, 69.7295, 74.8412



88.2033, 89.7603, 95.9705



69.0684, 71.9496, 74.5385



14.2458, 14.4495, 15.4196



17.9871, 9.2618, 1.3318

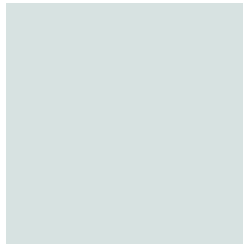


1.2645, 0.6491, 0.1855



# Previews

## White Background



This preview shows how the XYZ color 68.8113, 74.2760, 81.9441 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

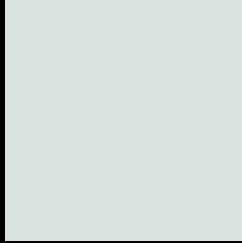
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.8113, 74.2760, 81.9441 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

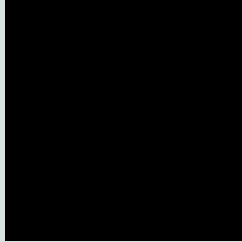
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

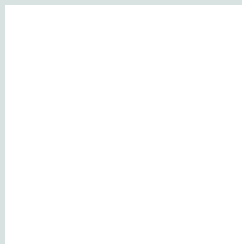
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 68.8113, 74.2760, 81.9441

## Background



This preview shows how black text looks on a background with the XYZ color 68.8113, 74.2760, 81.9441.



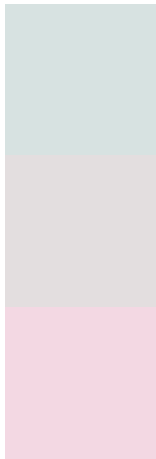
This preview shows how white text looks on a background with the XYZ color 68.8113, 74.2760,

81.9441.

# 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

68.8113, 74.2760, 81.9441

### Protanopia

71.1191, 73.9012, 80.3280

### Deuteranopia

75.3831, 73.7125, 82.9279



## Tritanopia

71.4463, 74.5676, 93.8465

# Trichromacy



## Original Color

68.8113, 74.2760, 81.9441

## Protanomaly

70.2736, 73.8451, 81.0707

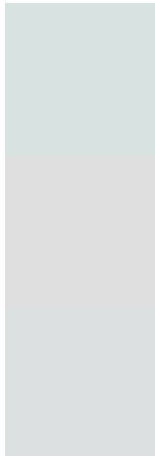
## Deuteranomaly

72.9249, 74.0010, 82.3916

## Tritanomaly

70.5359, 74.6003, 89.2789

# Monochromacy



## Original Color

68.8113, 74.2760, 81.9441

## Achromatopsia

70.1384, 73.7910, 80.3584

## Achromatomaly

69.6254, 73.9088, 81.1172

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.8113, 74.2760, 81.9441 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(215, 226, 225) looks like.

```
.text, #text, p{  
    color:rgb(215, 226, 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(215, 226, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 226, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 68.8113, 74.2760, 81.9441 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(215, 226, 225) }
```



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

```
.border{ border-color:rgb(215, 226, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 226, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 226, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 226, 225);  
box-shadow:4px 4px 4px 4px rgb(215, 226,  
225) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.8113, 74.2760, 81.9441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 226, 225) }
```

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

```
.background{ background-color: rgb(215,  
226, 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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