

# Converting Colors

XYZ(68.8904, 80.9221, 70.3811)

Have a look what the booklet for  
XYZ(68.8904, 80.9221, 70.3811)  
contains.

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# Color

**XYZ(68.8904, 80.9221,  
70.3811)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1F1CE
RGB	209, 241, 206
RGB Percent	82%, 95%, 81%
CMY	0.1804, 0.0549, 0.1921
CMYK	0.13, 0.00, 0.15, 0.05
HSL	115°, 56%, 88%
HSV	115°, 15%, 95%
XYZ	68.8904, 80.9221, 70.3811
YIQ	227.4420, -7.8370, -17.6690

# Conversions

## Conversions Part 2

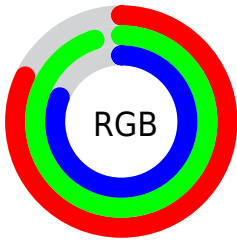
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	206, 241, 238
Decimal	13758926
CIE <sub>Lab</sub>	92.10, -16.80, 13.45
CIE <sub>LCh</sub>	92, 21.520, 141.326
Yxy	80.9221, 0.3129, 0.3675
Android (android.graphics.Color)	4291949006 (0xFFD1F1CE)
YUV	227.4420, -10.5709, -16.1736
Hunter-Lab	89.9567, -20.7259, 16.5819

# Details

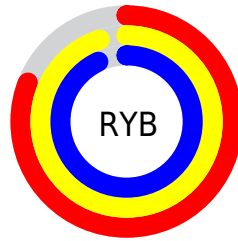
The XYZ color **68.8904, 80.9221, 70.3811** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.2115, 68.6728, 92.6197**, and the grayscale version is **73.4160, 77.2394, 84.1137**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.3429, 43.8349, 36.2513** is the 20% darker color. If you saturate the color by 10%, you get **60.3754, 76.8476, 55.8535**, and if you desaturate by 10%, it is **78.7210, 85.6277, 87.3171**.

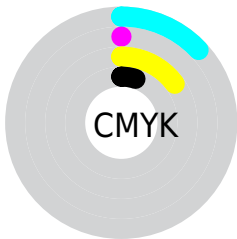
# Distribution



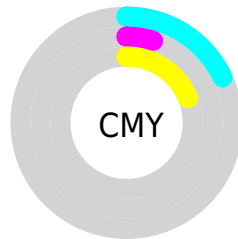
- Red (82%)
- Green (95%)
- Blue (81%)



- Red (81%)
- Yellow (95%)
- Blue (93%)



- Cyan (13%)
- Magenta (0%)
- Yellow (15%)
- Black (5%)




- Cyan (18%)
- Magenta (5%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.8904, 80.9221, 70.3811 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 68.8904, 80.9221, 70.3811 by changing the saturation by 10% instead.




 68.8904, 80.9221,  
70.3811

 68.8904, 80.9221,  
70.3811


445.9717,  
498.0350, 480.7122

 50.8988, 60.4774,  
51.3586


116.6599,  
134.6614, 121.4383

 36.3488, 43.8036,  
36.1153


147.1686,  
168.7248, 154.3100

 24.8750, 30.5161,  
24.2329


182.5803,  
208.0966, 192.6352

 16.1122, 20.2307,  
15.2927

223.2603,  
253.1611, 236.8324

 9.6949, 12.5628,  
8.8761

269.5742,  
304.3029, 287.3202

 5.2579, 7.1282,  
4.5648

321.8871,

 2.4357, 3.5424,

361.9061, 344.5170

1.9400

380.5645,  
426.3554, 408.8415

■ 0.8629, 1.4210,  
0.5180

■ 0.0000, 0.2322,  
0.0000

■ 68.8904, 80.9221,  
70.3811

■ 68.8904, 80.9221,  
70.3811

■ 60.3754, 76.8476,  
55.8535

■ 78.7210, 85.6277,  
87.3171

■ 53.1140, 73.3674,  
43.6199

■ 89.9130, 90.9786,  
106.7581

■ 47.0488, 70.4569,  
33.5646

■ 90.7468, 91.3937,  
107.4656

■ 42.1152, 68.0857,  
25.5600

■ 38.2430, 66.2204,  
19.4649

■ 35.3536, 64.8240,  
15.1204

■ 33.3577, 63.8545,  
12.3419

■ 32.1491, 63.2620,  
10.9039

■ 31.7588, 63.0694,  
10.4997

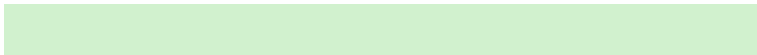
# Harmonies

## Analogous

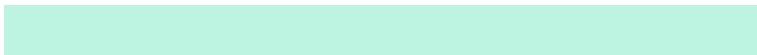
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.1032, 80.9221, 62.6277



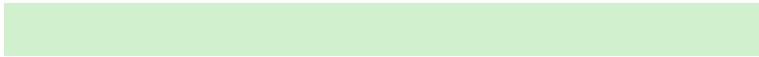
68.8904, 80.9221, 70.3811



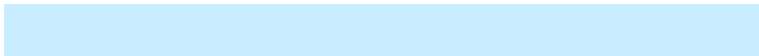
66.8526, 80.9221, 83.5869

# Triad

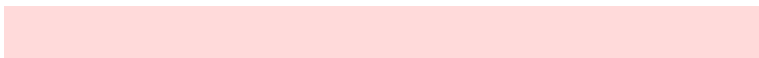
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.8904, 80.9221, 70.3811



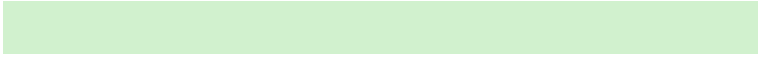
75.3179, 80.9221, 121.8571



87.2746, 80.9221, 77.4705

# Complementary

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



68.8904, 80.9221, 70.3811



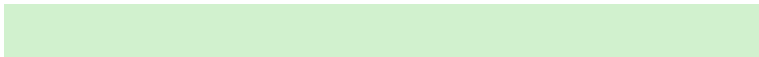
73.2115, 68.6728, 92.6197

# 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.



87.9375, 80.9221, 92.7942



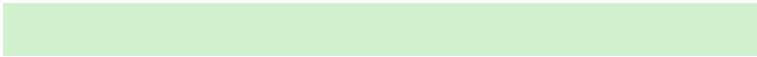
68.8904, 80.9221, 70.3811



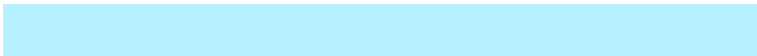
80.8551, 80.9221, 119.7092

# Square

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



68.8904, 80.9221, 70.3811



70.4449, 80.9221, 114.1508



85.5377, 80.9221, 108.5920

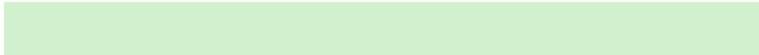


83.7676, 80.9221, 66.3659

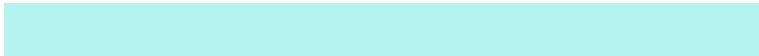


# Rectangle

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



68.8904, 80.9221, 70.3811



66.9306, 80.9221, 94.2411



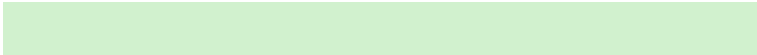
85.5377, 80.9221, 108.5920



87.8439, 80.9221, 82.2515

# Sweetspot

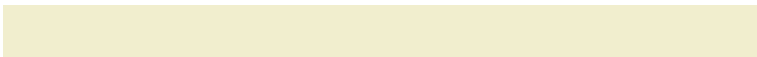
The Sweet Spot groups the original color and five complimentary colors.



68.8926, 80.9256, 70.3829



90.1027, 97.6343, 100.3226



77.8488, 84.0192, 70.5080



19.0925, 20.8054, 21.1389



0.0000, 0.0000, 0.0000

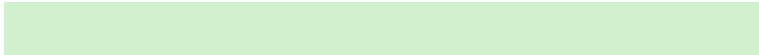


20.3446, 21.4041, 23.3091

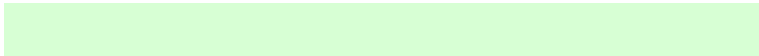


# Same Dimension

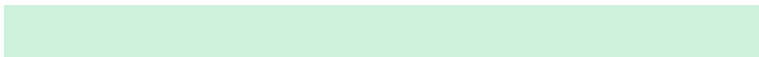
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.8926, 80.9256, 70.3829



75.7312, 90.7582, 75.5828



69.8297, 81.2033, 79.7058



15.6914, 17.7211, 16.7432



17.2667, 34.2229, 5.6956



1.4792, 2.8691, 0.4758



# Inverse Universe

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



73.2115, 68.6728, 92.6197



81.3925, 74.6944, 104.7353



72.2148, 68.3915, 82.0706



16.3129, 15.9585, 19.9421



24.7298, 11.7541, 46.0932

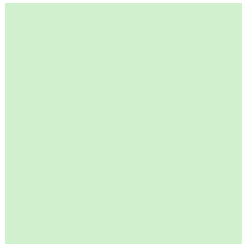


2.0963, 0.9979, 3.8363



# Previews

## White Background



This preview shows how the XYZ color 68.8904, 80.9221, 70.3811 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

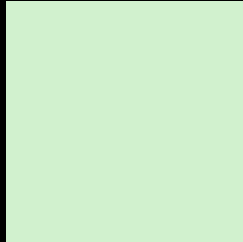
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.8904, 80.9221, 70.3811 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

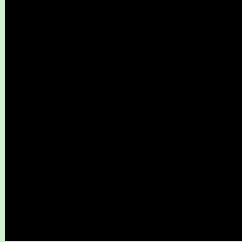
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

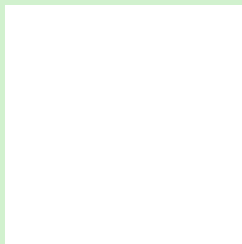
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 68.8904, 80.9221, 70.3811

## Background



This preview shows how black text looks on a background with the XYZ color 68.8904, 80.9221, 70.3811.



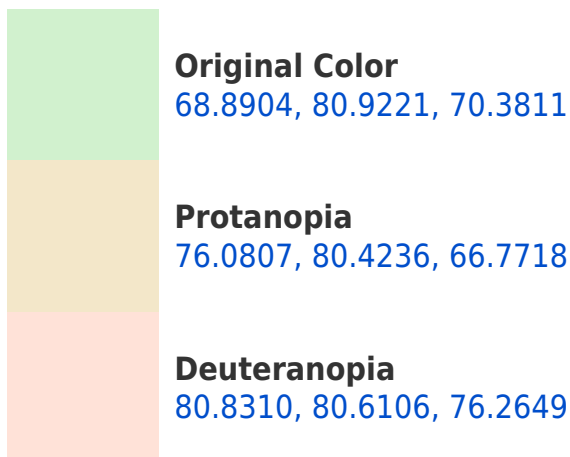
This preview shows how white text looks on a background with the XYZ color 68.8904, 80.9221,



# 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

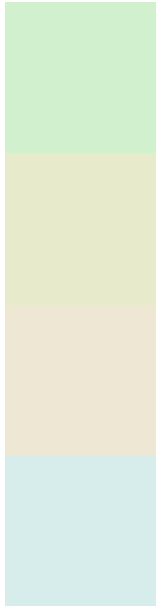




## Tritanopia

75.7677, 80.6892, 104.5097

# Trichromacy



**Original Color**

68.8904, 80.9221, 70.3811

**Protanomaly**

73.4428, 80.7174, 68.2091

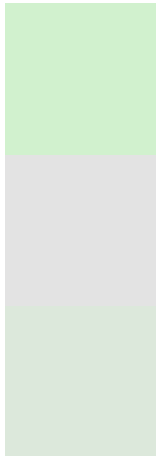
**Deuteranomaly**

75.7195, 80.0824, 73.7540

**Tritanomaly**

73.1561, 80.9206, 91.1204

# Monochromacy



**Original Color**

68.8904, 80.9221, 70.3811

**Achromatopsia**

73.0128, 76.8151, 83.6517

**Achromatomaly**

71.1580, 78.0433, 78.3313

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.8904, 80.9221, 70.3811 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(209, 241, 206)` looks like.

```
.text, #text, p{  
    color:rgb(209, 241, 206)  
}
```

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(209, 241, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 241, 206) }
```

## Border

The CSS property to change the border of an element to XYZ 68.8904, 80.9221, 70.3811 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(209, 241, 206) }
```



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

```
.border{ border-color:rgb(209, 241, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 241, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 241, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 241, 206);  
box-shadow:4px 4px 4px 4px rgb(209, 241,  
206) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.8904, 80.9221, 70.3811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 241, 206) }
```

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

```
.background{ background-color: rgb(209,  
241, 206) }
```

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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