

# Converting Colors

XYZ(74.8247, 90.3737, 71.8001)

Have a look what the booklet for  
XYZ(74.8247, 90.3737, 71.8001)  
contains.

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# Color

**XYZ(74.9249, 90.4233,  
71.8970)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D7FFCE
RGB	215, 255, 206
RGB Percent	84%, 100%, 81%
CMY	0.1569, 0.0000, 0.1921
CMYK	0.16, 0.00, 0.19, 0.00
HSL	109°, 100%, 90%
HSV	109°, 19%, 100%
XYZ	74.9249, 90.4233, 71.8970
YIQ	237.4540, -8.1110, -23.7190

# Conversions

## Conversions Part 2

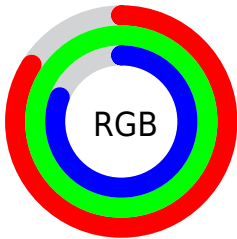
Format	Color
R <sub>Y</sub> B	206, 255, 246
Decimal	14155726
CIE Lab	96.17, -21.62, 19.24
CIE LCh	96, 28.939, 138.328
Yxy	90.4233, 0.3158, 0.3811
Android (android.graphics.Color)	4292345806 (0xFFD7FFCE)
YUV	237.4540, -15.5068, -19.6922
Hunter-Lab	95.0912, -25.7646, 21.7355

# Details

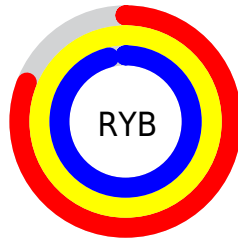
The XYZ color **74.9249, 90.4233, 71.8970** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **78.1282, 70.9566, 104.1859**, and the grayscale version is **80.9660, 85.1825, 92.7638**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.3588, 50.1287, 37.2544** is the 20% darker color. If you saturate the color by 10%, you get **66.3450, 86.3296, 56.6152**, and if you desaturate by 10%, it is **84.7865, 95.1196, 89.8649**.

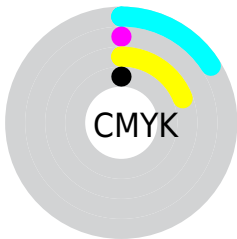
# Distribution



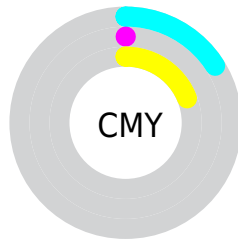
- Red (84%)
- Green (100%)
- Blue (81%)



- Red (81%)
- Yellow (100%)
- Blue (96%)



- Cyan (16%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)




- Cyan (16%)
- Magenta (0%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.9249, 90.4233, 71.8970 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 74.9249, 90.4233, 71.8970 by changing the saturation by 10% instead.




 74.9249, 90.4233,  
71.8970

 74.9249, 90.4233,  
71.8970


466.6606,  
529.4069, 486.1509

 55.8453, 68.3318,  
52.5882


125.1945,  
147.9262, 123.6164

 40.3154, 50.1677,  
37.0887


157.1153,  
184.1064, 156.8642

 27.9699, 35.5467,  
24.9798


194.0472,  
225.7517, 195.5953

 18.4433, 24.0843,  
15.8431

236.3555,  
273.2463, 240.2284

 11.3703, 15.3962,  
9.2601

284.4056,  
326.9747, 291.1820

 6.3856, 9.0979,  
4.8121

338.5630,

 3.1238, 4.8051,

387.3214, 348.8745

2.0806

399.1928,  
454.6706, 413.7247

■ 1.2196, 2.1334,  
0.6042

■ 0.1217, 0.6833,  
0.0000

■ 74.9249, 90.4233,  
71.8970

■ 74.9249, 90.4233,  
71.8970

■ 66.3450, 86.3296,  
56.6152

■ 84.7865, 95.1196,  
89.8649

■ 58.9916, 82.8129,  
43.8866

95.0500, 100.0000,  
108.9000

■ 52.8083, 79.8471,  
33.5731

■ 47.7331, 77.4037,  
25.5219

■ 43.6985, 75.4515,  
19.5629

■ 40.6290, 73.9558,  
15.5020

■ 38.4382, 72.8771,  
13.1084

■ 37.0121, 72.1642,  
12.0358

■ 36.9246, 72.1204,  
11.9745

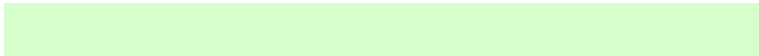
# Harmonies

## Analogous

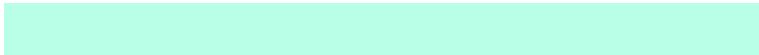
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.1826, 90.4233, 62.1778



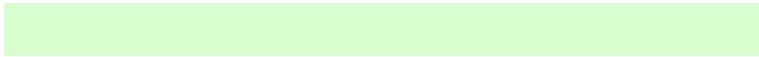
74.9249, 90.4233, 71.8970



71.6999, 90.4233, 89.7822

# Triad

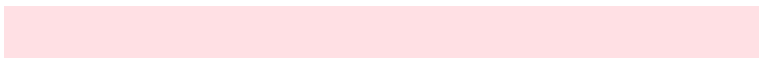
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.9249, 90.4233, 71.8970



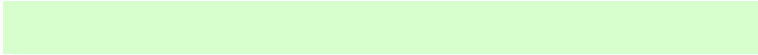
82.8602, 90.4233, 148.3914



101.4422, 90.4233, 85.2011

# Complementary

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



74.9249, 90.4233, 71.8970



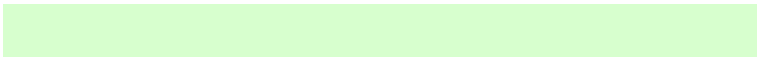
78.1282, 70.9566, 104.1859

# Split Complementary

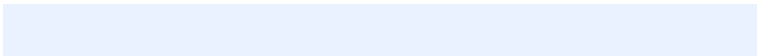
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



101.9611, 90.4233, 107.6704



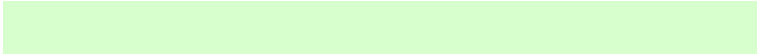
74.9249, 90.4233, 71.8970



90.8894, 90.4233, 146.6523

# Square

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



74.9249, 90.4233, 71.8970



76.0871, 90.4233, 135.2968



97.9951, 90.4233, 130.8611

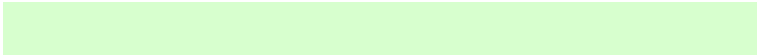


96.6188, 90.4233, 68.9944

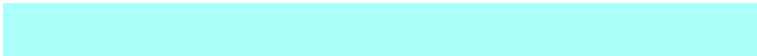


# Rectangle

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



74.9249, 90.4233, 71.8970



71.5615, 90.4233, 104.9969



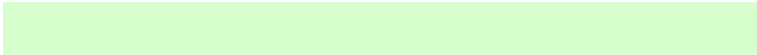
97.9951, 90.4233, 130.8611



102.1364, 90.4233, 92.1917

# Sweetspot

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



74.9255, 90.4236, 71.8984



88.2369, 96.7611, 96.2308



85.0939, 91.1425, 71.5012



18.7339, 20.6383, 20.3155



0.0000, 0.0000, 0.0000

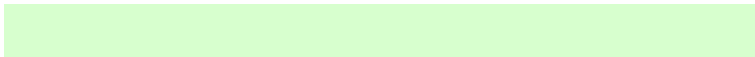


20.3446, 21.4041, 23.3091

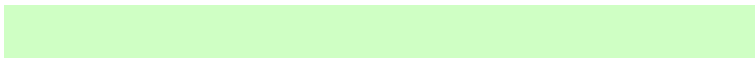


# Same Dimension

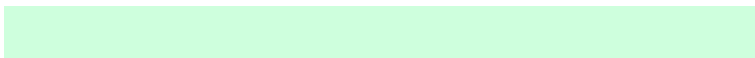
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.9255, 90.4236, 71.8984



71.5299, 88.8044, 65.8046



74.2256, 89.8467, 81.6283



18.0827, 20.3285, 19.1151



19.3828, 37.7303, 6.2611



1.9669, 3.7147, 0.6133



# Inverse Universe

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



78.1282, 70.9566, 104.1859



75.2564, 66.1319, 103.4060



79.0847, 71.7128, 92.3462



18.4463, 18.1218, 22.7756



23.1659, 10.8530, 50.3084

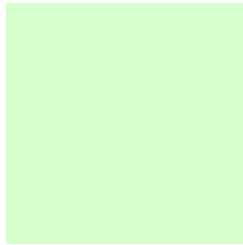


2.3366, 1.0985, 4.9021



# Previews

## White Background



This preview shows how the XYZ color 74.9249, 90.4233, 71.8970 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

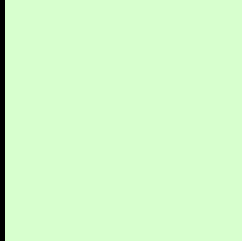
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.9249, 90.4233, 71.8970 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

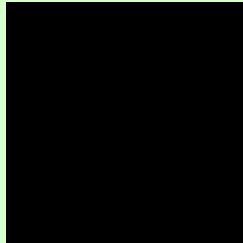
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

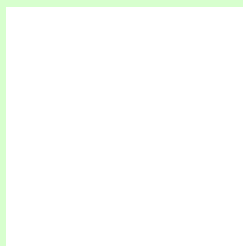
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 74.9249, 90.4233, 71.8970**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.9249, 90.4233, 71.8970.



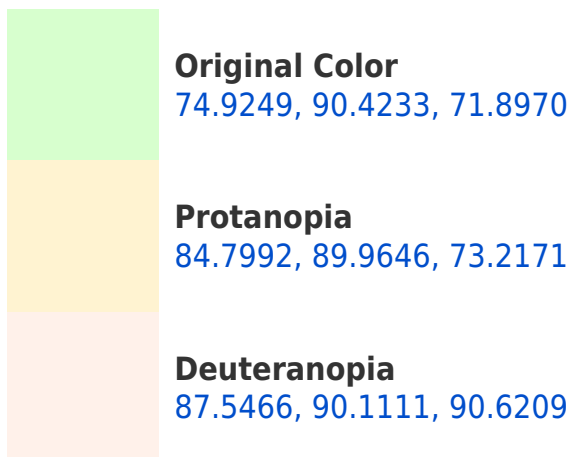
This preview shows how white text looks on a background with the XYZ color 74.9249, 90.4233,

71.8970.

# 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

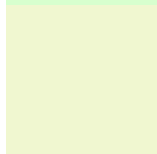
84.9634, 90.1870, 107.5375

# Trichromacy



## Original Color

74.9249, 90.4233, 71.8970



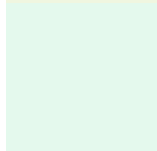
## Protanomaly

80.5811, 89.6009, 72.7221



## Deuteranomaly

82.3455, 89.8186, 83.5177



## Tritanomaly

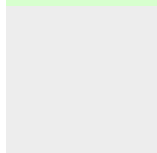
81.1567, 90.3598, 93.2845

# Monochromacy



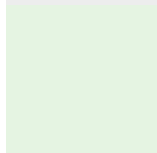
## Original Color

74.9249, 90.4233, 71.8970



## Achromatopsia

80.4953, 84.6873, 92.2245



## Achromatomaly

78.3912, 86.8504, 84.5836

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.9249, 90.4233, 71.8970 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, 255, 206)` looks like.

```
.text, #text, p{  
    color:rgb(215, 255, 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(215, 255, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 255, 206) }
```

## Border

The CSS property to change the border of an element to XYZ 74.9249, 90.4233, 71.8970 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, 255, 206) }
```



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

```
.border{ border-color:rgb(215, 255, 206) }
```

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

Here you see how a box with a 4 pixel rgb(215, 255, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 255, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 255, 206);  
box-shadow:4px 4px 4px 4px rgb(215, 255,  
206) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.9249, 90.4233, 71.8970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 255, 206) }
```

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

```
.background{ background-color: rgb(215,  
255, 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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