

# Converting Colors

XYZ(74.8936, 90.4349, 70.6412)

Have a look what the booklet for  
XYZ(74.8936, 90.4349, 70.6412)  
contains.

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# Color

**XYZ(74.9780, 90.4786,  
70.6391)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8FFCC
RGB	216, 255, 204
RGB Percent	85%, 100%, 80%
CMY	0.1529, 0.0000, 0.2000
CMYK	0.15, 0.00, 0.20, 0.00
HSL	106°, 100%, 90%
HSV	106°, 20%, 100%
XYZ	74.9780, 90.4786, 70.6391
YIQ	237.5250, -6.8730, -24.1290

# Conversions

## Conversions Part 2

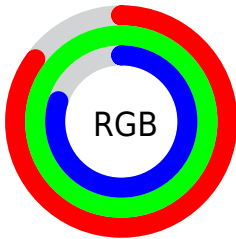
<b>Format</b>	<b>Color</b>
<b>RYB</b>	204, 255, 243
Decimal	14221260
CIELab	96.19, -21.61, 20.30
CIElCh	96, 29.648, 136.783
Yxy	90.4786, 0.3176, 0.3832
Android (android.graphics.Color)	4292411340 (0xFFD8FFCC)
YUV	237.5250, -16.5278, -18.8774
Hunter-Lab	95.1202, -25.7588, 22.5537

# Details

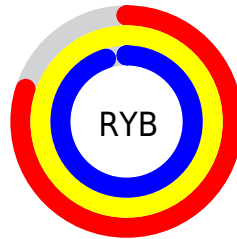
The XYZ color **74.9780, 90.4786, 70.6391** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **76.6059, 69.4616, 103.9776**, and the grayscale version is **81.0278, 85.2475, 92.8346**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.3970, 50.1672, 36.4083** is the 20% darker color. If you saturate the color by 10%, you get **66.7419, 86.5576, 55.5739**, and if you desaturate by 10%, it is **84.3998, 94.9529, 88.3763**.

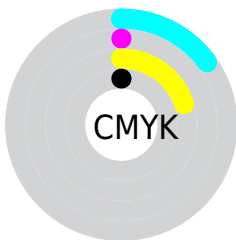
# Distribution



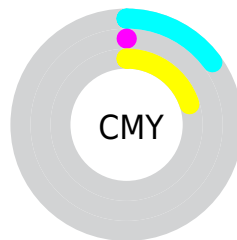
- Red (85%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (95%)



- Cyan (15%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)




- Cyan (15%)
- Magenta (0%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.9780, 90.4786, 70.6391 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 74.9780, 90.4786, 70.6391 by changing the saturation by 10% instead.




 74.9780, 90.4786,  
70.6391

 74.9780, 90.4786,  
70.6391


466.8403,  
529.5865, 481.6404

 55.8890, 68.3777,  
51.5677

125.2693,  
148.0030, 121.8094

 40.3506, 50.2050,  
36.2808


157.2023,  
184.1953, 154.7453

 27.9974, 35.5763,  
24.3597


194.1473,  
225.8534, 193.1398

 18.4642, 24.1072,  
15.3860

236.4697,  
273.3619, 237.4115

 11.3854, 15.4131,  
8.9411

284.5348,  
327.1050, 287.9789

 6.3959, 9.1099,  
4.6065

338.7081,

 3.1302, 4.8129,

387.4672, 345.2605

1.9636

399.3548,  
454.8329, 409.6748

■ 1.2230, 2.1379,  
0.5328

■ 0.1244, 0.6858,  
0.0000

■ 74.9780, 90.4786,  
70.6391

■ 74.9780, 90.4786,  
70.6391

■ 66.7419, 86.5576,  
55.5739

■ 84.3998, 94.9529,  
88.3763

■ 59.6416, 83.1672,  
43.0474

95.0500, 100.0000,  
108.9000

■ 53.6260, 80.2840,  
32.9207

■ 48.6396, 77.8826,  
25.0402

■ 44.6213, 75.9355,  
19.2346

■ 41.5031, 74.4117,  
15.3077

■ 39.2071, 73.2761,  
13.0256

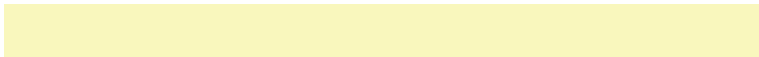
■ 37.6234, 72.4806,  
12.0073

■ 37.6233, 72.4806,  
12.0072

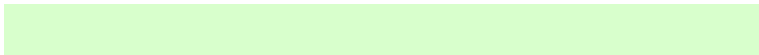
# Harmonies

## Analogous

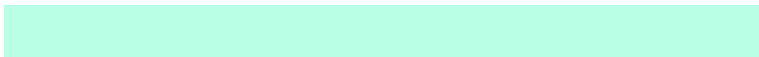
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.5107, 90.4786, 61.2002



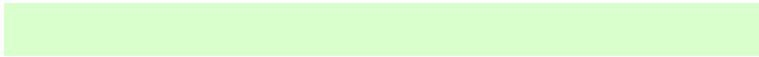
74.9780, 90.4786, 70.6391



71.5003, 90.4786, 88.5175

# Triad

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



74.9780, 90.4786, 70.6391



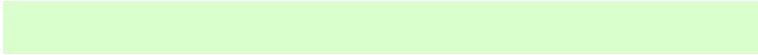
82.4313, 90.4786, 149.5202



102.0463, 90.4786, 86.0068

# Complementary

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



74.9780, 90.4786, 70.6391



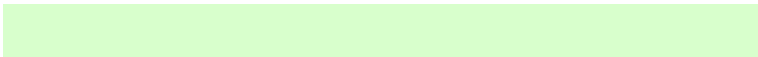
76.6059, 69.4616, 103.9776

# Split Complementary

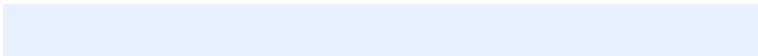
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



102.3320, 90.4786, 109.2401



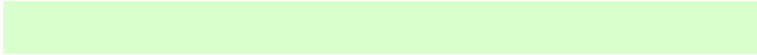
74.9780, 90.4786, 70.6391



90.6454, 90.4786, 148.5590

# Square

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



74.9780, 90.4786, 70.6391



75.6148, 90.4786, 135.3513



98.0463, 90.4786, 132.9034

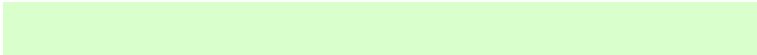


97.2889, 90.4786, 69.0546

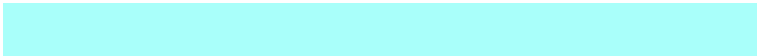


# Rectangle

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



74.9780, 90.4786, 70.6391



71.2281, 90.4786, 103.9630



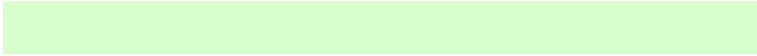
98.0463, 90.4786, 132.9034



102.6786, 90.4786, 93.2623

# Sweetspot

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



74.9786, 90.4788, 70.6405



88.5094, 96.9015, 96.2435



83.9661, 89.2732, 69.9341



18.7981, 20.6714, 20.3185



0.0000, 0.0000, 0.0000

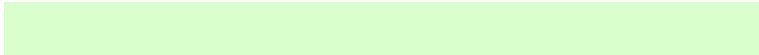


20.3446, 21.4041, 23.3091

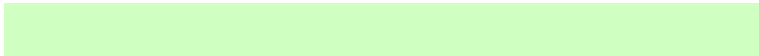


# Same Dimension

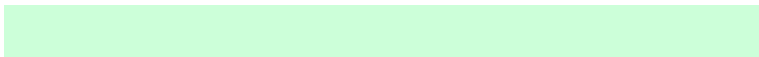
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.9786, 90.4788, 70.6405



71.5437, 88.8449, 64.2993



73.1545, 89.3545, 78.8679



18.1715, 20.3743, 19.1192



19.7675, 37.9286, 6.2791



2.0163, 3.7402, 0.6157



# Inverse Universe

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



76.6059, 69.4616, 103.9776



73.4367, 64.3452, 103.1571



78.8981, 70.8726, 93.7232



18.3504, 18.0723, 22.7711



21.3304, 9.9067, 50.2225

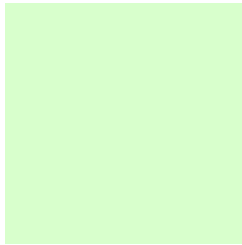


2.1729, 1.0141, 4.8945



# Previews

## White Background



This preview shows how the XYZ color 74.9780, 90.4786, 70.6391 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

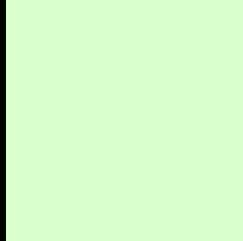
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.9780, 90.4786, 70.6391 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

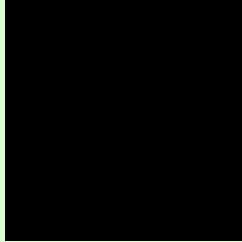
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

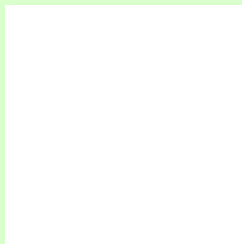
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 74.9780, 90.4786, 70.6391**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.9780, 90.4786, 70.6391.



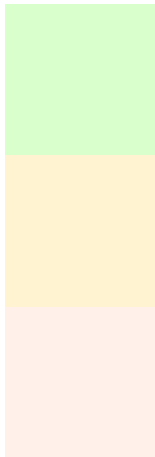
This preview shows how white text looks on a background with the XYZ color 74.9780, 90.4786,

70.6391.

# 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

74.9780, 90.4786, 70.6391

### Protanopia

84.7992, 89.9646, 73.2171

### Deuteranopia

87.5466, 90.1111, 90.6209



## Tritanopia

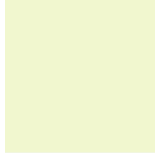
84.9634, 90.1870, 107.5375

# Trichromacy



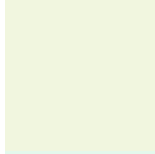
## Original Color

74.9780, 90.4786, 70.6391



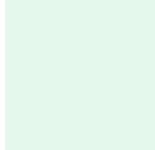
## Protanomaly

80.7989, 89.7273, 72.0920



## Deuteranomaly

82.5507, 89.9400, 82.8213



## Tritanomaly

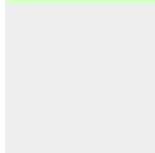
81.0109, 90.3015, 92.5171

# Monochromacy



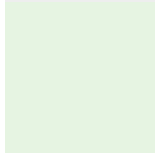
## Original Color

74.9780, 90.4786, 70.6391



## Achromatopsia

81.2670, 85.4993, 93.1087



## Achromatomaly

78.7113, 87.0153, 84.5986

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.9780, 90.4786, 70.6391 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(216, 255, 204)` looks like.

```
.text, #text, p{  
    color:rgb(216, 255, 204)  
}
```

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(216, 255, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 255, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 74.9780, 90.4786, 70.6391 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(216, 255, 204) }
```



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

```
.border{ border-color:rgb(216, 255, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 255, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(216, 255,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.9780, 90.4786, 70.6391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 255, 204) }
```

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

```
.background{ background-color: rgb(216,  
255, 204) }
```

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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