

# Converting Colors

XYZ(74.5793, 90.1521, 76.0867)

Have a look what the booklet for  
XYZ(74.5793, 90.1521, 76.0867)  
contains.

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# Color

**XYZ(74.5076, 90.1224,  
75.7557)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3FFD4
RGB	211, 255, 212
RGB Percent	83%, 100%, 83%
CMY	0.1725, 0.0000, 0.1686
CMYK	0.17, 0.00, 0.17, 0.00
HSL	121°, 100%, 91%
HSV	121°, 17%, 100%
XYZ	74.5076, 90.1224, 75.7557
YIQ	236.9420, -12.4210, -22.7010

# Conversions

## Conversions Part 2

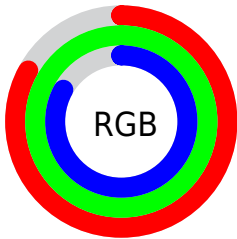
Format	Color
R <sub>Y</sub> B	211, 254, 255
Decimal	13893588
CIE Lab	96.05, -21.94, 15.96
CIE LCh	96, 27.133, 143.957
Yxy	90.1224, 0.3100, 0.3749
Android (android.graphics.Color)	4292083668 (0xFFD3FFD4)
YUV	236.9420, -12.2964, -22.7511
Hunter-Lab	94.9328, -26.0375, 19.1400

# Details

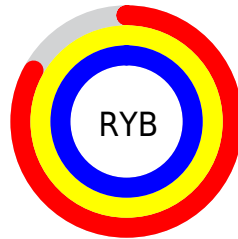
The XYZ color **74.5076, 90.1224, 75.7557** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **82.4238, 75.0048, 103.8984**, and the grayscale version is **80.5496, 84.7445, 92.2867**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.9902, 49.8904, 39.4204** is the 20% darker color. If you saturate the color by 10%, you get **64.8671, 85.4881, 60.1418**, and if you desaturate by 10%, it is **85.7934, 95.5486, 93.9819**.

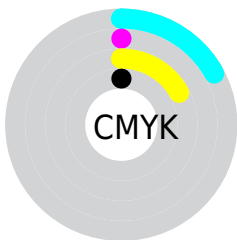
# Distribution



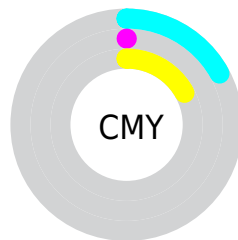
- Red (83%)
- Green (100%)
- Blue (83%)



- Red (83%)
- Yellow (100%)
- Blue (100%)



- Cyan (17%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)




- Cyan (17%)
- Magenta (0%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.5076, 90.1224, 75.7557 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 74.5076, 90.1224, 75.7557 by changing the saturation by 10% instead.




 74.5076, 90.1224,  
75.7557

 74.5076, 90.1224,  
75.7557


465.2467,  
528.4289, 499.8356

 55.5023, 68.0822,  
55.7268


124.6067,  
147.5084, 129.1384

 40.0395, 49.9646,  
39.5814


156.4313,  
183.6230, 163.3293

 27.7537, 35.3853,  
26.9010


193.2598,  
225.1977, 203.0779

 18.2796, 23.9598,  
17.2671

235.4574,  
272.6172, 248.8027

 11.2518, 15.3038,  
10.2611

283.3895,  
326.2656, 300.9224

 6.3050, 9.0329,  
5.4646

337.4216,

 3.0738, 4.7626,

386.5274, 359.8554

2.4589

397.9188,  
453.7871, 426.0203

■ 1.1929, 2.1087,  
0.8182

■ 0.1008, 0.6695,  
0.0000

■ 74.5076, 90.1224,  
75.7557

■ 74.5076, 90.1224,  
75.7557

■ 64.8671, 85.4881,  
60.1418

■ 85.7934, 95.5486,  
93.9819

■ 56.7934, 81.6081,  
47.0166

95.0500, 100.0000,  
108.9000

■ 50.2043, 78.4427,  
36.2530

■ 45.0094, 75.9483,  
27.7107

■ 41.1084, 74.0766,  
21.2348

■ 38.3878, 72.7727,  
16.6504

■ 36.7142, 71.9723,  
13.7539

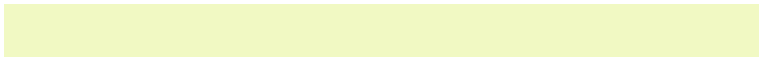
■ 35.9180, 71.5933,  
12.2946

■ 35.7918, 71.5327,  
12.0873

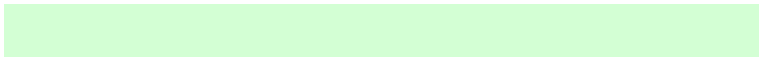
# Harmonies

## Analogous

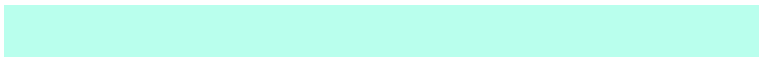
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.9292, 90.1224, 64.9863



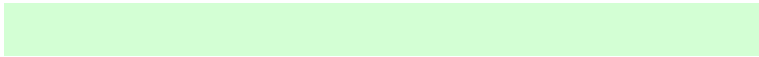
74.5076, 90.1224, 75.7557



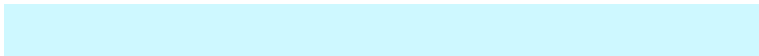
72.0892, 90.1224, 93.8397

# Triad

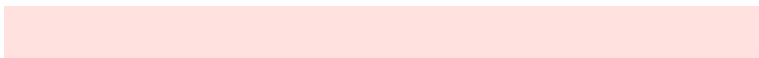
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.5076, 90.1224, 75.7557



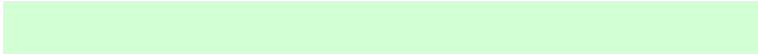
84.1479, 90.1224, 145.2540



99.5405, 90.1224, 82.2784

# Complementary

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



74.5076, 90.1224, 75.7557



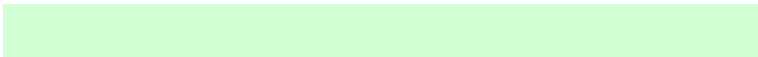
82.4238, 75.0048, 103.8984

# 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.



100.8322, 90.1224, 102.5450



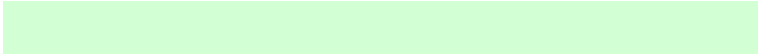
74.5076, 90.1224, 75.7557



91.6555, 90.1224, 140.9686

# Square

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



74.5076, 90.1224, 75.7557



77.4420, 90.1224, 135.4997



97.8702, 90.1224, 124.5209

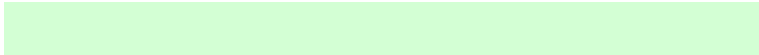


94.4369, 90.1224, 68.3495

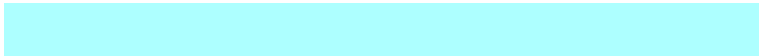


# Rectangle

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



74.5076, 90.1224, 75.7557



72.3981, 90.1224, 108.4423



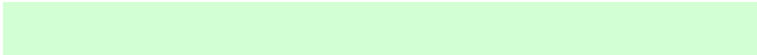
97.8702, 90.1224, 124.5209



100.4469, 90.1224, 88.4893

# Sweetspot

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



74.5082, 90.1226, 75.7571



88.5721, 96.8848, 98.4627



88.4887, 97.3444, 75.7543



18.7707, 20.6472, 20.7729



0.0000, 0.0000, 0.0000

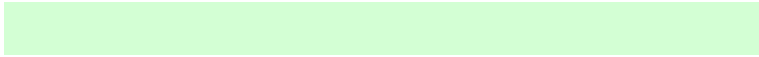


20.3446, 21.4041, 23.3091

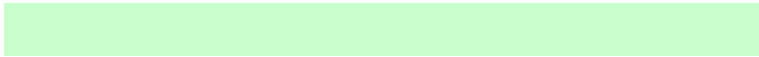


# Same Dimension

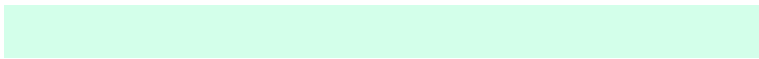
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.5082, 90.1226, 75.7571



70.7085, 88.2960, 69.6088



77.4374, 91.2943, 91.1818



17.7883, 20.1749, 19.1883



18.7092, 37.3803, 6.3540



1.8273, 3.6418, 0.6483



# Inverse Universe

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



82.4238, 75.0048, 103.8984



80.0862, 70.3852, 102.9476



79.1381, 73.6905, 86.5958



18.7738, 18.2928, 22.6919



30.5077, 14.6924, 48.1854

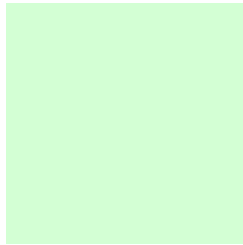


2.9759, 1.4327, 4.7204



# Previews

## White Background



This preview shows how the XYZ color 74.5076, 90.1224, 75.7557 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

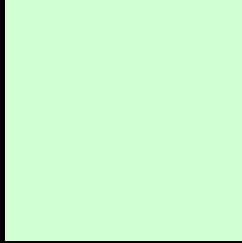
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.5076, 90.1224, 75.7557 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

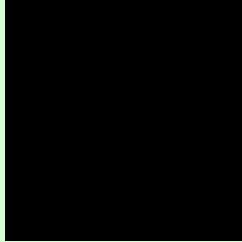
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

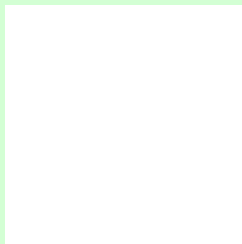
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 74.5076, 90.1224, 75.7557**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.5076, 90.1224, 75.7557.



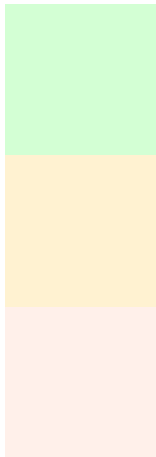
This preview shows how white text looks on a background with the XYZ color 74.5076, 90.1224,

75.7557.

# 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

74.5076, 90.1224, 75.7557

### Protanopia

84.5008, 89.3677, 73.1176

### Deuteranopia

87.2514, 89.5207, 90.5225



## **Tritanopia**

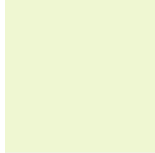
83.9811, 89.6806, 107.4916

# Trichromacy



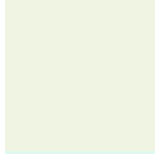
## Original Color

74.5076, 90.1224, 75.7557



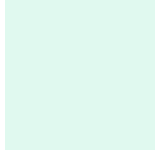
## Protanomaly

80.4902, 89.5254, 74.0106



## Deuteranomaly

81.9765, 89.1465, 84.8379



## Tritanomaly

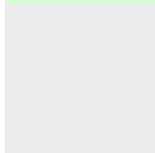
80.1961, 89.8307, 94.7736

# Monochromacy



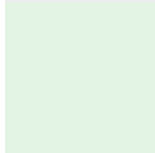
## Original Color

74.5076, 90.1224, 75.7557



## Achromatopsia

80.4953, 84.6873, 92.2245



## Achromatomaly

78.3492, 86.7968, 86.0228

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.5076, 90.1224, 75.7557 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(211, 255, 212)` looks like.

```
.text, #text, p{  
    color:rgb(211, 255, 212)  
}
```

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(211, 255, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 255, 212) }
```

## Border

The CSS property to change the border of an element to XYZ 74.5076, 90.1224, 75.7557 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(211, 255, 212) }
```



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

```
.border{ border-color:rgb(211, 255, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 255, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 255, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 255, 212);  
box-shadow:4px 4px 4px 4px rgb(211, 255,  
212) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.5076, 90.1224, 75.7557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 255, 212) }
```

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

```
.background{ background-color: rgb(211,  
255, 212) }
```

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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