

# Converting Colors

XYZ(92.3220, 122.1235,  
79.6264)

Have a look what the booklet for  
XYZ(92.3220, 122.1235, 79.6264)  
contains.

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# Color

**XYZ(76.9081, 91.3888,  
74.5591)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DCFFD2
RGB	220, 255, 210
RGB Percent	86%, 100%, 82%
CMY	0.1372, 0.0000, 0.1765
CMYK	0.14, 0.00, 0.18, 0.00
HSL	107°, 100%, 91%
HSV	107°, 18%, 100%
XYZ	76.9081, 91.3888, 74.5591
YIQ	239.4050, -6.4150, -21.4150

# Conversions

## Conversions Part 2

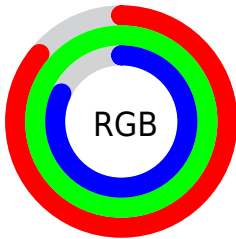
Format	Color
R <sub>Y</sub> B	210, 255, 245
Decimal	14483410
CIE Lab	96.57, -19.29, 17.80
CIE LCh	97, 26.251, 137.298
Yxy	91.3888, 0.3167, 0.3763
Android (android.graphics.Color)	4292673490 (0xFFDCFFD2)
YUV	239.4050, -14.4967, -17.0182
Hunter-Lab	95.5975, -23.6925, 20.6763

# Details

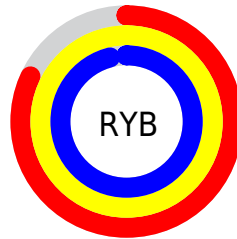
The XYZ color **76.9081, 91.3888, 74.5591** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **78.7536, 72.7268, 104.4947**, and the grayscale version is **82.4723, 86.7672, 94.4895**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.6275, 50.7541, 38.6129** is the 20% darker color. If you saturate the color by 10%, you get **68.3288, 87.3043, 58.8740**, and if you desaturate by 10%, it is **86.7072, 96.0436, 92.9465**.

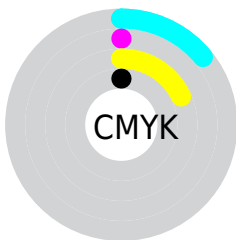
# Distribution



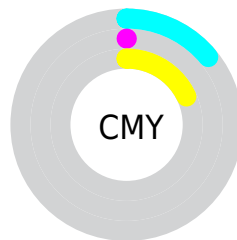
- Red (86%)
- Green (100%)
- Blue (82%)



- Red (82%)
- Yellow (100%)
- Blue (96%)



- Cyan (14%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)




- Cyan (14%)
- Magenta (0%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.9081, 91.3888, 74.5591 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 76.9081, 91.3888, 74.5591 by changing the saturation by 10% instead.




 76.9081, 91.3888,  
74.5591

 76.9081, 91.3888,  
74.5591


473.3474,  
532.5383, 495.6157

 57.4771, 69.1331,  
54.7522


127.9833,  
149.2660, 127.4294

 41.6301, 50.8201,  
38.8061


160.3582,  
185.6563, 161.3299

 29.0016, 36.0655,  
26.3023


197.7784,  
227.5269, 200.7653

 19.2263, 24.4848,  
16.8221

240.6094,  
275.2622, 246.1543

 11.9389, 15.6936,  
9.9471

289.2164,  
329.2466, 297.9152

 6.7740, 9.3076,  
5.2588

343.9648,

 3.3662, 4.9424,

389.8644, 356.4668

2.3385

405.2200,  
457.5002, 422.2274

■ 1.3503, 2.2135,  
0.7527

■ 0.2204, 0.7273,  
0.0000

■ 76.9081, 91.3888,  
74.5591

■ 76.9081, 91.3888,  
74.5591

■ 68.3288, 87.3043,  
58.8740

■ 86.7072, 96.0436,  
92.9465

■ 60.9185, 83.7668,  
45.7597

95.0500, 100.0000,  
108.9000

■ 54.6260, 80.7527,  
35.0804

■ 49.3949, 78.2364,  
26.6857

■ 45.1641, 76.1898,  
20.4089

■ 41.8654, 74.5822,  
16.0604

■ 39.4217, 73.3783,  
13.4170

■ 37.7379, 72.5359,  
12.1842

■ 37.4283, 72.3800,  
11.9981

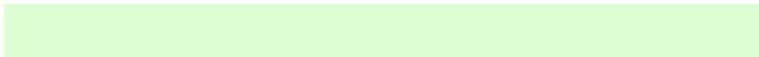
# Harmonies

## Analogous

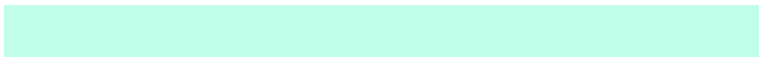
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.7374, 91.3888, 65.7206



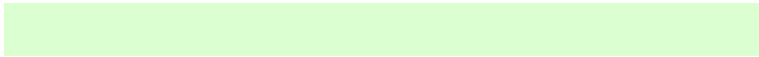
76.9081, 91.3888, 74.5591



73.8222, 91.3888, 90.8903

# Triad

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



76.9081, 91.3888, 74.5591



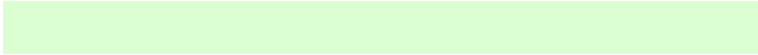
83.7991, 91.3888, 144.3208



101.0302, 91.3888, 87.9777

# Complementary

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



76.9081, 91.3888, 74.5591



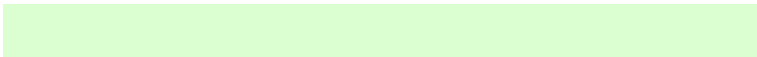
78.7536, 72.7268, 104.4947

# Split Complementary

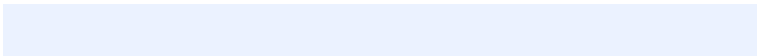
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



101.3542, 91.3888, 108.6515



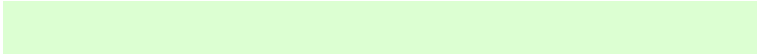
76.9081, 91.3888, 74.5591



91.1221, 91.3888, 143.2497

# Square

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



76.9081, 91.3888, 74.5591



77.6476, 91.3888, 132.2262



97.6404, 91.3888, 129.4782

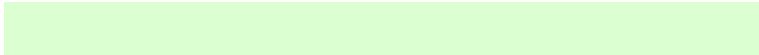


96.7787, 91.3888, 72.6863

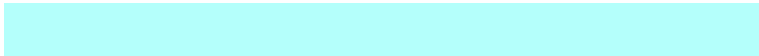


# Rectangle

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



76.9081, 91.3888, 74.5591



73.6153, 91.3888, 104.7245



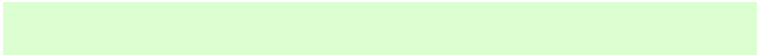
97.6404, 91.3888, 129.4782



101.6102, 91.3888, 94.4655

# Sweetspot

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



76.9087, 91.3891, 74.5605



89.5098, 97.3733, 98.2787



85.3746, 90.9162, 74.0230



18.9976, 20.7654, 20.7285



0.0000, 0.0000, 0.0000

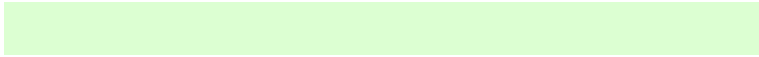


20.3446, 21.4041, 23.3091

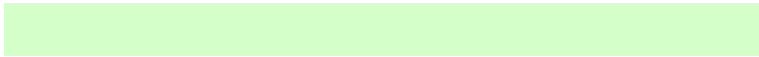


# Same Dimension

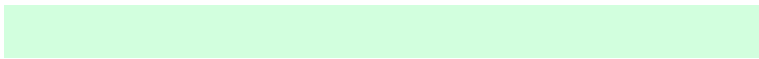
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.9087, 91.3891, 74.5605



73.8978, 89.9567, 69.0049



75.5240, 90.4960, 82.5953



18.1490, 20.3627, 19.1182



19.6607, 37.8736, 6.2741



2.0030, 3.7334, 0.6150



# Inverse Universe

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



78.7536, 72.7268, 104.4947



76.0385, 68.2760, 103.7787



80.4649, 73.8253, 94.8032



18.3746, 18.0848, 22.7722



21.7806, 10.1388, 50.2436

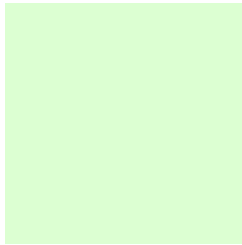


2.2133, 1.0349, 4.8964



# Previews

## White Background



This preview shows how the XYZ color 76.9081, 91.3888, 74.5591 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

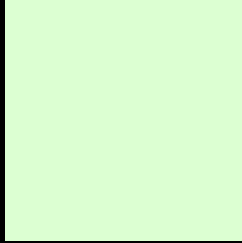
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.9081, 91.3888, 74.5591 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

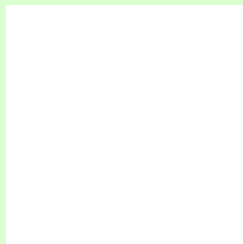
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 76.9081, 91.3888, 74.5591**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.9081, 91.3888, 74.5591.



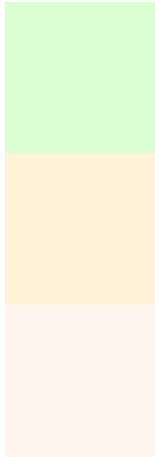
This preview shows how white text looks on a background with the XYZ color 76.9081, 91.3888,

74.5591.

# 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

76.9081, 91.3888, 74.5591

### Protanopia

85.8564, 90.8677, 77.3041

### Deuteranopia

88.2782, 90.8787, 93.0093



## **Tritanopia**

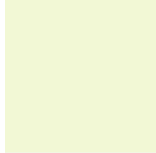
86.2657, 91.3087, 107.6854

# Trichromacy



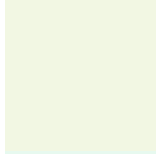
## Original Color

76.9081, 91.3888, 74.5591



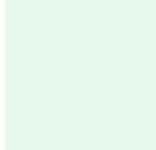
## Protanomaly

82.1956, 90.8161, 76.1479



## Deuteranomaly

83.7438, 90.9448, 85.8134



## Tritanomaly

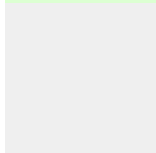
82.4107, 90.9723, 94.8773

# Monochromacy



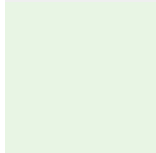
## Original Color

76.9081, 91.3888, 74.5591



## Achromatopsia

82.0431, 86.3157, 93.9978



## Achromatomaly

79.9347, 88.0621, 86.1835

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.9081, 91.3888, 74.5591 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(220, 255, 210)` looks like.

```
.text, #text, p{  
    color:rgb(220, 255, 210)  
}
```

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(220, 255, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 255, 210) }
```

## Border

The CSS property to change the border of an element to XYZ 76.9081, 91.3888, 74.5591 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(220, 255, 210) }
```



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

```
.border{ border-color:rgb(220, 255, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 255, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 255, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 255, 210);  
box-shadow:4px 4px 4px 4px rgb(220, 255,  
210) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.9081, 91.3888, 74.5591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 255, 210) }
```

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

```
.background{ background-color: rgb(220,  
255, 210) }
```

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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