

# Converting Colors

XYZ(74.1826, 89.9300, 76.8624)

Have a look what the booklet for  
XYZ(74.1826, 89.9300, 76.8624)  
contains.

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# Color

**XYZ(74.1921, 89.9303,  
77.0663)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1FFD6
RGB	209, 255, 214
RGB Percent	82%, 100%, 84%
CMY	0.1804, 0.0000, 0.1608
CMYK	0.18, 0.00, 0.16, 0.00
HSL	127°, 100%, 91%
HSV	127°, 18%, 100%
XYZ	74.1921, 89.9303, 77.0663
YIQ	236.5720, -14.2550, -22.5030

# Conversions

## Conversions Part 2

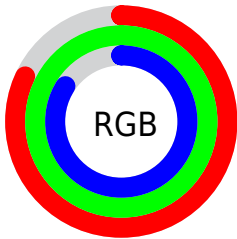
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	209, 250, 255
Decimal	13762518
CIE <sub>Lab</sub>	95.97, -22.25, 14.81
CIE <sub>LCh</sub>	96, 26.726, 146.347
Yxy	89.9303, 0.3076, 0.3729
Android (android.graphics.Color)	4291952598 (0xFFD1FFD6)
YUV	236.5720, -11.1280, -24.1806
Hunter-Lab	94.8316, -26.3047, 18.1992

# Details

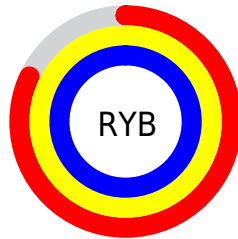
The XYZ color **74.1921, 89.9303, 77.0663** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **81.2961, 73.7638, 100.3952**, and the grayscale version is **80.2575, 84.4371, 91.9520**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.7785, 49.7614, 40.3092** is the 20% darker color. If you saturate the color by 10%, you get **64.8422, 85.4226, 62.5192**, and if you desaturate by 10%, it is **85.1033, 95.1961, 93.8034**.

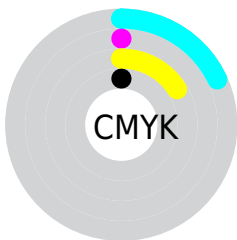
# Distribution



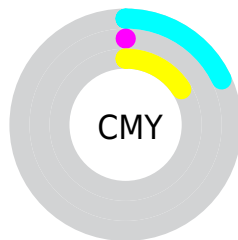
- Red (82%)
- Green (100%)
- Blue (84%)



- Red (82%)
- Yellow (98%)
- Blue (100%)



- Cyan (18%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)




- Cyan (18%)
- Magenta (0%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.1921, 89.9303, 77.0663 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 74.1921, 89.9303, 77.0663 by changing the saturation by 10% instead.




 74.1921, 89.9303,  
77.0663

 74.1921, 89.9303,  
77.0663


464.1762,  
527.8041, 504.4337

 55.2431, 67.9228,  
56.7954


124.1621,  
147.2416, 131.0069

 39.8310, 49.8350,  
40.4327


155.9139,  
183.3142, 165.5138

 27.5904, 35.2823,  
27.5598


192.6639,  
224.8439, 205.6030

 18.1560, 23.8804,  
17.7579

234.7776,  
272.2153, 251.6931

 11.1624, 15.2449,  
10.6087

282.6204,  
325.8126, 304.2027

 6.2443, 8.9915,  
5.6935

336.5575,

 3.0363, 4.7356,

386.0202, 363.5503

2.5939

396.9543,  
453.2226, 430.1545

■ 1.1730, 2.0930,  
0.8893

■ 0.0849, 0.6607,  
0.0000

■ 74.1921, 89.9303,  
77.0663

■ 74.1921, 89.9303,  
77.0663

■ 64.8422, 85.4226,  
62.5192

■ 85.1033, 95.1961,  
93.8034

■ 56.9798, 81.6368,  
50.0675

95.0500, 100.0000,  
108.9000

■ 50.5285, 78.5357,  
39.6159

■ 45.4044, 76.0782,  
31.0601

■ 41.5143, 74.2187,  
24.2864

■ 38.7531, 72.9056,  
19.1689

■ 36.9975, 72.0786,  
15.5653

■ 36.0858, 71.6575,  
13.3087

■ 35.9663, 71.6025,  
13.0062

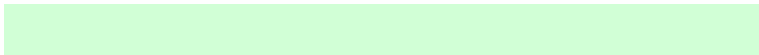
# Harmonies

## Analogous

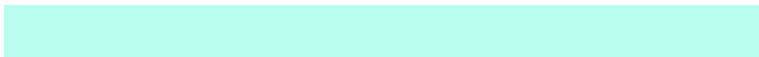
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.3275, 89.9303, 65.8088



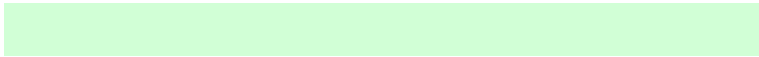
74.1921, 89.9303, 77.0663



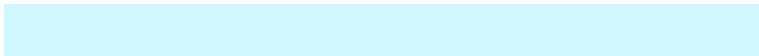
72.0733, 89.9303, 95.3501

# Triad

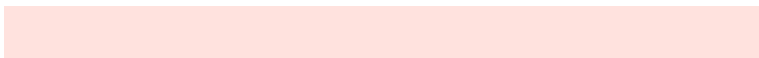
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.1921, 89.9303, 77.0663



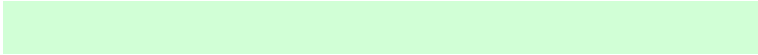
84.5744, 89.9303, 144.3707



98.8433, 89.9303, 80.9562

# Complementary

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



74.1921, 89.9303, 77.0663



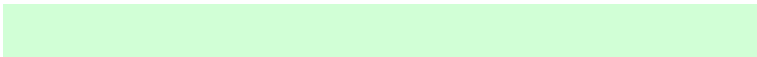
81.2961, 73.7638, 100.3952

# 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.



100.4452, 89.9303, 100.5332



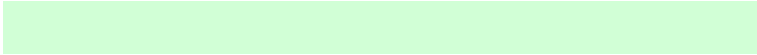
74.1921, 89.9303, 77.0663



91.9343, 89.9303, 139.0716

# Square

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



74.1921, 89.9303, 77.0663



77.8457, 89.9303, 135.8229



97.8498, 89.9303, 122.2295

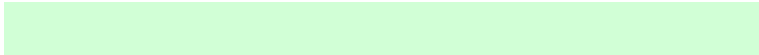


93.5894, 89.9303, 67.8173



# Rectangle

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



74.1921, 89.9303, 77.0663



72.5610, 89.9303, 109.8167



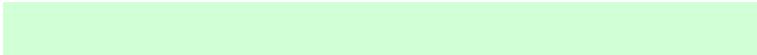
97.8498, 89.9303, 122.2295



99.8393, 89.9303, 86.9129

# Sweetspot

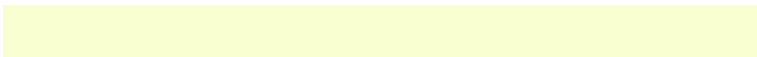
The Sweet Spot groups the original color and five complimentary colors.



74.1928, 89.9307, 77.0677



88.7377, 96.9511, 99.3349



86.8367, 96.5215, 74.3764



18.8107, 20.6633, 20.9839



0.0000, 0.0000, 0.0000

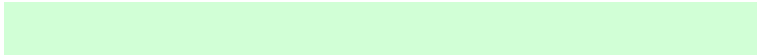


20.3446, 21.4041, 23.3091

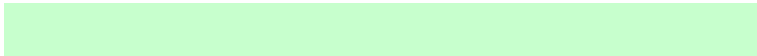


# Same Dimension

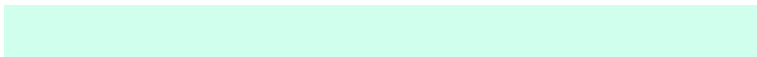
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.1928, 89.9307, 77.0677



70.3059, 88.0561, 71.0477



77.2827, 91.1667, 93.3389



17.8518, 20.2003, 19.5227



18.8188, 37.4241, 6.9311



1.8573, 3.6538, 0.8064



# Inverse Universe

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



81.2961, 73.7638, 100.3952



78.7239, 68.8942, 98.6906



77.9614, 72.4299, 82.8349



18.7026, 18.2643, 22.3169



28.8480, 14.0285, 39.4457

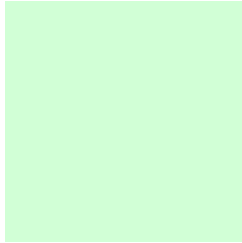


2.8322, 1.3752, 3.9635



# Previews

## White Background



This preview shows how the XYZ color 74.1921, 89.9303, 77.0663 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

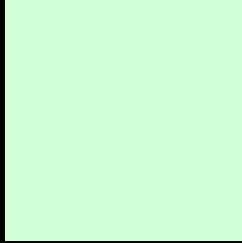
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.1921, 89.9303, 77.0663 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

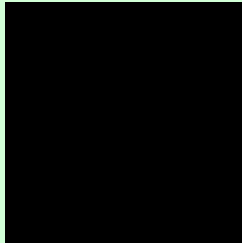
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

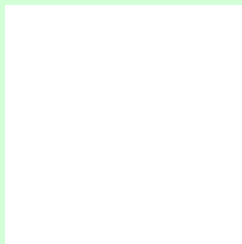
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 74.1921, 89.9303, 77.0663**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.1921, 89.9303, 77.0663.



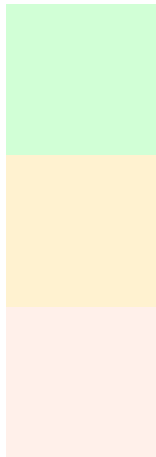
This preview shows how white text looks on a background with the XYZ color 74.1921, 89.9303,

77.0663.

# 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

74.1921, 89.9303, 77.0663

### Protanopia

84.3773, 89.3183, 72.4675

### Deuteranopia

87.2514, 89.5207, 90.5225



## Tritanopia

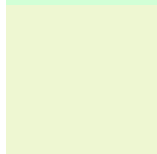
83.6574, 89.5137, 107.4764

# Trichromacy



## Original Color

74.1921, 89.9303, 77.0663



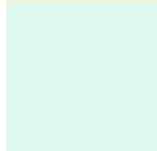
## Protanomaly

80.1535, 89.3518, 73.9949



## Deuteranomaly

81.7774, 89.0280, 85.5470



## Tritanomaly

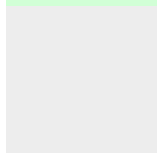
80.0353, 89.7306, 95.5395

# Monochromacy



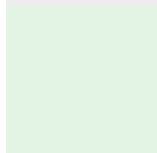
## Original Color

74.1921, 89.9303, 77.0663



## Achromatopsia

80.4953, 84.6873, 92.2245



## Achromatomaly

78.1721, 86.6894, 86.7414

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.1921, 89.9303, 77.0663 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, 255, 214)` looks like.

```
.text, #text, p{  
    color:rgb(209, 255, 214)  
}
```

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, 255, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 255, 214) }
```

## Border

The CSS property to change the border of an element to XYZ 74.1921, 89.9303, 77.0663 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, 255, 214) }
```



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

```
.border{ border-color:rgb(209, 255, 214) }
```

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

Here you see how a box with a 4 pixel rgb(209, 255, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 255, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 255, 214);  
box-shadow:4px 4px 4px 4px rgb(209, 255,  
214) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.1921, 89.9303, 77.0663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 255, 214) }
```

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

```
.background{ background-color: rgb(209,  
255, 214) }
```

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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