

# Converting Colors

XYZ(76.4684, 91.2518, 70.7219)

Have a look what the booklet for  
XYZ(76.4684, 91.2518, 70.7219)  
contains.

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# Color

**XYZ(76.4779, 91.2518,  
70.7093)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DDFFCC
RGB	221, 255, 204
RGB Percent	87%, 100%, 80%
CMY	0.1333, 0.0000, 0.2000
CMYK	0.13, 0.00, 0.20, 0.00
HSL	100°, 100%, 90%
HSV	100°, 20%, 100%
XYZ	76.4779, 91.2518, 70.7093
YIQ	239.0200, -3.8930, -23.0690

# Conversions

## Conversions Part 2

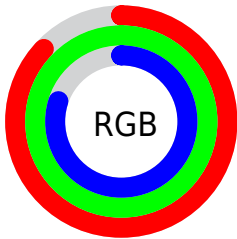
Format	Color
<a href="#">RYB</a>	<a href="#">204, 255, 238</a>
Decimal	<a href="#">14548940</a>
CIELab	<a href="#">96.51, -19.92, 20.79</a>
CIELCh	<a href="#">97, 28.795, 133.770</a>
Yxy	<a href="#">91.2518, 0.3207, 0.3827</a>
Android (android.graphics.Color)	<a href="#">4292739020 (0xFFDDFFCC)</a>
YUV	<a href="#">239.0200, -17.2649, -15.8035</a>
Hunter-Lab	<a href="#">95.5258, -24.2632, 22.9809</a>

# Details

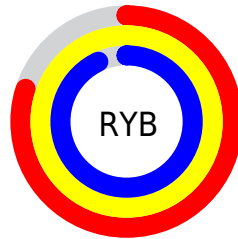
The XYZ color **76.4779, 91.2518, 70.7093** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **74.9036, 68.5841, 103.8979**, and the grayscale version is **82.1915, 86.4718, 94.1678**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.4250, 50.6972, 36.4564** is the 20% darker color. If you saturate the color by 10%, you get **68.7485, 87.5921, 55.6679**, and if you desaturate by 10%, it is **85.2334, 95.3826, 88.4153**.

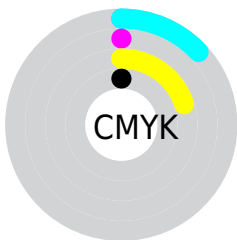
# Distribution



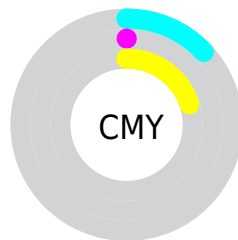
- Red (87%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (93%)



- Cyan (13%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)



- Cyan (13%)
- Magenta (0%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.4779, 91.2518, 70.7093 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 76.4779, 91.2518, 70.7093 by changing the saturation by 10% instead.



76.4779, 91.2518,  
70.7093

76.4779, 91.2518,  
70.7093

471.9013,  
532.0945, 481.8928

57.1229, 69.0194,  
51.6246

127.3790,  
149.0760, 121.9103

41.3444, 50.7275,  
36.3258

159.6558,  
185.4365, 154.8637

28.7772, 35.9918,  
24.3942

196.9705,  
227.2752, 193.2771

19.0558, 24.4278,  
15.4114

239.6886,  
274.9764, 237.5690

11.8148, 15.6513,  
8.9588

288.1754,  
328.9245, 288.1580

6.6890, 9.2777,  
4.6179

342.7962,

3.3130, 4.9228,

389.5040, 345.4626

1.9701

403.9164,  
457.0992, 409.9014

■ 1.3214, 2.2020,  
0.5368

■ 0.1991, 0.7211,  
0.0000

■ 76.4779, 91.2518,  
70.7093

■ 76.4779, 91.2518,  
70.7093

■ 68.7485, 87.5921,  
55.6679

■ 85.2334, 95.3826,  
88.4153

■ 62.0037, 84.3849,  
43.1579

95.0500, 100.0000,  
108.9000

■ 56.2013, 81.6116,  
33.0412

■ 51.2954, 79.2517,  
25.1645

■ 47.2354, 77.2831,  
19.3569

■ 43.9654, 75.6810,  
15.4229

■ 41.4204, 74.4172,  
13.1292

■ 39.5063, 73.4513,  
12.0954

■ 39.5062, 73.4512,  
12.0953

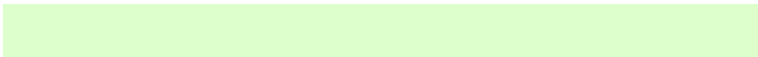
# Harmonies

## Analogous

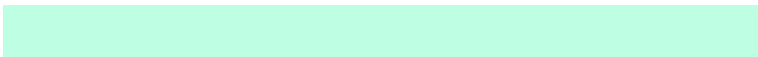
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.1066, 91.2518, 62.2817



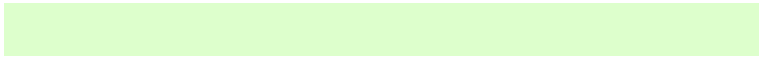
76.4779, 91.2518, 70.7093



72.7282, 91.2518, 87.4970

# Triad

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



76.4779, 91.2518, 70.7093



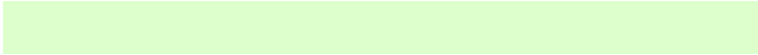
82.4853, 91.2518, 148.1820



102.6193, 91.2518, 89.1942

# Complementary

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



76.4779, 91.2518, 70.7093



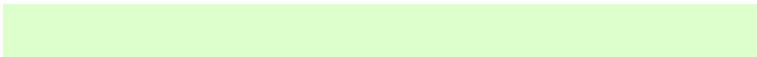
74.9036, 68.5841, 103.8979

# Split Complementary

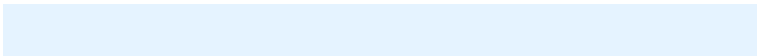
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



102.4273, 91.2518, 112.2446



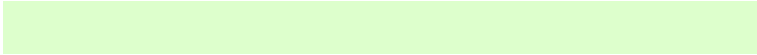
76.4779, 91.2518, 70.7093



90.4615, 91.2518, 148.8250

# Square

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



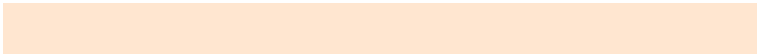
76.4779, 91.2518, 70.7093



76.0473, 91.2518, 133.2153



97.8642, 91.2518, 134.8558

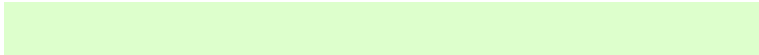


98.3736, 91.2518, 71.7858

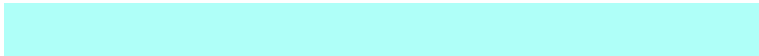


# Rectangle

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



76.4779, 91.2518, 70.7093



72.2116, 91.2518, 102.2950



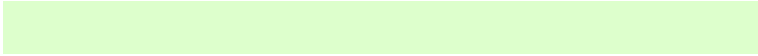
97.8642, 91.2518, 134.8558



103.0793, 91.2518, 96.4772

# Sweetspot

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



76.4785, 91.2521, 70.7107



89.0300, 97.1700, 96.2679



82.7141, 86.7692, 69.5167



18.9209, 20.7347, 20.3242



0.0000, 0.0000, 0.0000

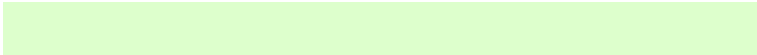


20.3446, 21.4041, 23.3091

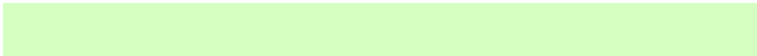


# Same Dimension

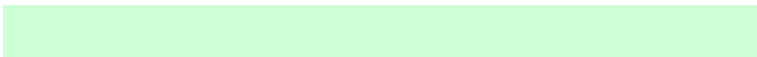
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.4785, 91.2521, 70.7107



73.2650, 89.7323, 64.3798



72.6095, 89.1365, 75.9979



18.3420, 20.4622, 19.1272



20.7834, 38.4523, 6.3266



2.1339, 3.8008, 0.6212



# Inverse Universe

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



74.9036, 68.5841, 103.8979



71.4264, 63.3088, 103.0630



79.5449, 71.1314, 97.1292



18.1699, 17.9793, 22.7626



18.2587, 8.3232, 50.0788

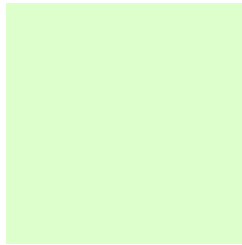


1.8938, 0.8702, 4.8814



# Previews

## White Background



This preview shows how the XYZ color 76.4779, 91.2518, 70.7093 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

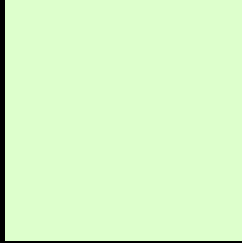
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.4779, 91.2518, 70.7093 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

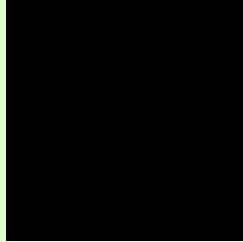
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

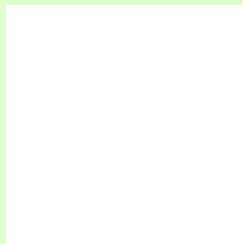
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 76.4779, 91.2518, 70.7093**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.4779, 91.2518, 70.7093.



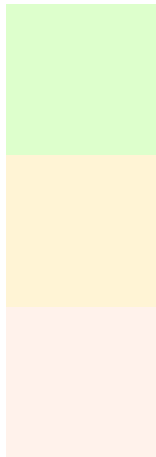
This preview shows how white text looks on a background with the XYZ color 76.4779, 91.2518,

70.7093.

# 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

76.4779, 91.2518, 70.7093

### Protanopia

85.6009, 90.7655, 75.9586

### Deuteranopia

87.9875, 90.7624, 91.4787



## Tritanopia

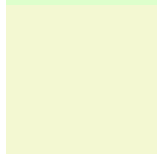
85.9623, 90.7020, 107.5843

# Trichromacy



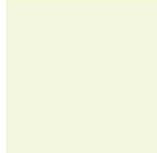
## Original Color

76.4779, 91.2518, 70.7093



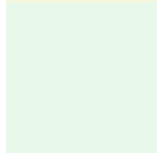
## Protanomaly

82.1624, 90.8426, 74.1767



## Deuteranomaly

83.6775, 90.9580, 83.6674



## Tritanomaly

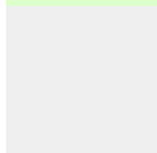
82.2947, 90.9633, 92.5772

# Monochromacy



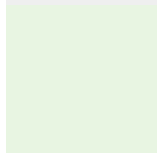
## Original Color

76.4779, 91.2518, 70.7093



## Achromatopsia

82.0431, 86.3157, 93.9978



## Achromatomaly

79.6586, 87.9516, 84.7294

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.4779, 91.2518, 70.7093 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(221, 255, 204)` looks like.

```
.text, #text, p{  
    color:rgb(221, 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(221, 255, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 255, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 76.4779, 91.2518, 70.7093 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(221, 255, 204) }
```



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

```
.border{ border-color:rgb(221, 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(221, 255, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(221, 255,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.4779, 91.2518, 70.7093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 255, 204) }
```

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

```
.background{ background-color: rgb(221,  
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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