

# Converting Colors

XYZ(76.7355, 91.2972, 74.6697)

Have a look what the booklet for  
XYZ(76.7355, 91.2972, 74.6697)  
contains.

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# Color

**XYZ(76.6063, 91.2332,  
74.5450)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBFFD2
RGB	219, 255, 210
RGB Percent	86%, 100%, 82%
CMY	0.1412, 0.0000, 0.1765
CMYK	0.14, 0.00, 0.18, 0.00
HSL	108°, 100%, 91%
HSV	108°, 18%, 100%
XYZ	76.6063, 91.2332, 74.5450
YIQ	239.1060, -7.0110, -21.6270

# Conversions

## Conversions Part 2

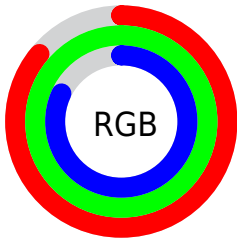
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	210, 255, 246
Decimal	14417874
CIE <sub>Lab</sub>	96.51, -19.63, 17.70
CIE <sub>LCh</sub>	97, 26.432, 137.948
Y <sub>xy</sub>	91.2332, 0.3161, 0.3764
Android (android.graphics.Color)	4292607954 (0xFFDBFFD2)
YUV	239.1060, -14.3493, -17.6330
Hunter-Lab	95.5161, -23.9916, 20.5887

# Details

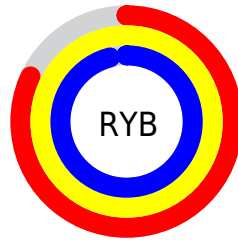
The XYZ color **76.6063, 91.2332, 74.5450** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **79.1034, 72.9072, 104.5110**, and the grayscale version is **82.2383, 86.5211, 94.2214**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.4203, 50.6472, 38.6032** is the 20% darker color. If you saturate the color by 10%, you get **67.9120, 87.0894, 58.8545**, and if you desaturate by 10%, it is **86.5604, 95.9679, 92.9396**.

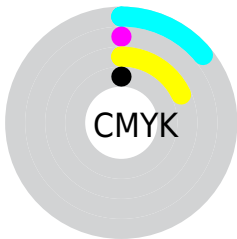
# Distribution



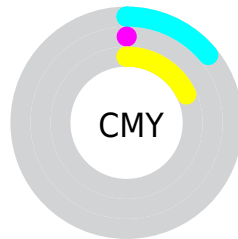
- Red (86%)
- Green (100%)
- Blue (82%)



- 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 76.6063, 91.2332, 74.5450 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 76.6063, 91.2332, 74.5450 by changing the saturation by 10% instead.




 76.6063, 91.2332,  
74.5450

 76.6063, 91.2332,  
74.5450


472.3332,  
532.0343, 495.5658

 57.2286, 69.0039,  
54.7407


127.5594,  
149.0502, 127.4092

 41.4297, 50.7149,  
38.7970


159.8655,  
185.4067, 161.3063

 28.8441, 35.9818,  
26.2952


197.2117,  
227.2410, 200.7380

 19.1066, 24.4201,  
16.8169

239.9635,  
274.9376, 246.1230

 11.8518, 15.6456,  
9.9434

288.4862,  
328.8808, 297.8797

 6.7143, 9.2737,  
5.2564

343.1452,

 3.3288, 4.9201,

389.4551, 356.4267

2.3371

404.3057,  
457.0448, 422.1826

■ 1.3299, 2.2005,  
0.7519

■ 0.2055, 0.7203,  
0.0000

■ 76.6063, 91.2332,  
74.5450

■ 76.6063, 91.2332,  
74.5450

■ 67.9120, 87.0894,  
58.8545

■ 86.5604, 95.9679,  
92.9396

■ 60.4244, 83.5120,  
45.7366

95.0500, 100.0000,  
108.9000

■ 54.0898, 80.4763,  
35.0553

■ 48.8492, 77.9550,  
26.6602

■ 44.6383, 75.9188,  
20.3843

■ 41.3858, 74.3349,  
16.0380

■ 39.0104, 73.1663,  
13.3977

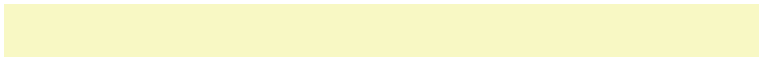
■ 37.4126, 72.3681,  
12.1690

■ 37.1251, 72.2238,  
11.9839

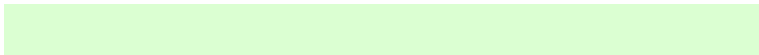
# Harmonies

## Analogous

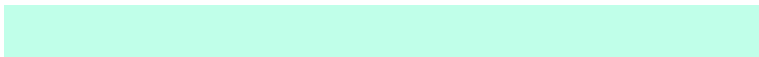
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.4181, 91.2332, 65.4972



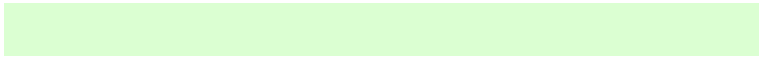
76.6063, 91.2332, 74.5450



73.5739, 91.2332, 91.0974

# Triad

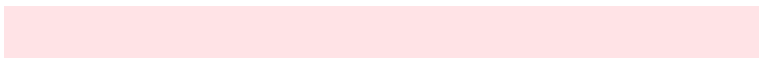
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.6063, 91.2332, 74.5450



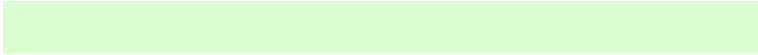
83.7874, 91.2332, 144.5774



100.9150, 91.2332, 87.3421

# Complementary

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



76.6063, 91.2332, 74.5450



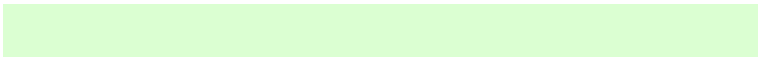
79.1034, 72.9072, 104.5110

# 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.



101.3332, 91.2332, 108.0600



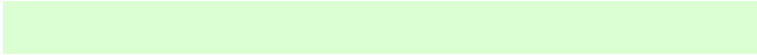
76.6063, 91.2332, 74.5450



91.1575, 91.2332, 143.1935

# Square

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



76.6063, 91.2332, 74.5450



77.5597, 91.2332, 132.6440



97.6748, 91.2332, 129.0948

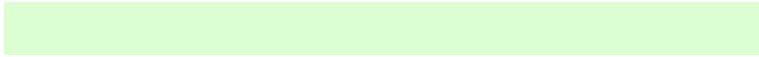


96.5626, 91.2332, 72.1326



# Rectangle

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



76.6063, 91.2332, 74.5450



73.4159, 91.2332, 105.0588



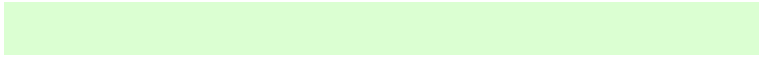
97.6748, 91.2332, 129.0948



101.5290, 91.2332, 93.8276

# Sweetspot

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



76.6070, 91.2335, 74.5464



89.4110, 97.3223, 98.2740



85.8290, 91.8250, 74.1745



18.9737, 20.7531, 20.7273



0.0000, 0.0000, 0.0000

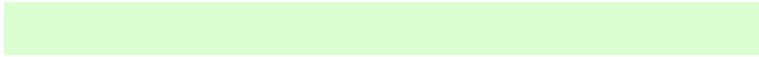


20.3446, 21.4041, 23.3091

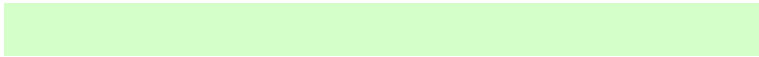


# Same Dimension

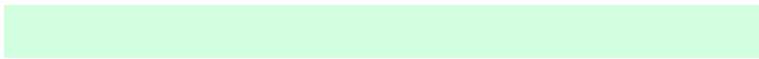
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.6070, 91.2335, 74.5464



73.5530, 89.7790, 68.9887



75.7260, 90.5768, 83.6590



18.1107, 20.3430, 19.1164



19.4939, 37.7875, 6.2663



1.9816, 3.7223, 0.6140



# Inverse Universe

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



79.1034, 72.9072, 104.5110



76.4508, 68.4885, 103.7980



80.2392, 73.7351, 93.6149



18.4159, 18.1061, 22.7742



22.5687, 10.5451, 50.2805



2.2836, 1.0711, 4.8997



# Previews

## White Background



This preview shows how the XYZ color 76.6063, 91.2332, 74.5450 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

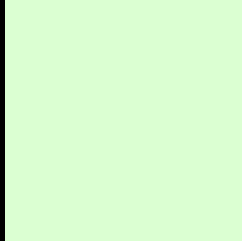
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.6063, 91.2332, 74.5450 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

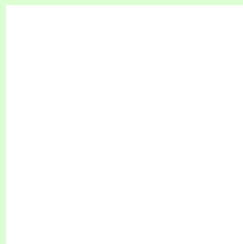
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 76.6063, 91.2332, 74.5450

## Background



This preview shows how black text looks on a background with the XYZ color 76.6063, 91.2332, 74.5450.



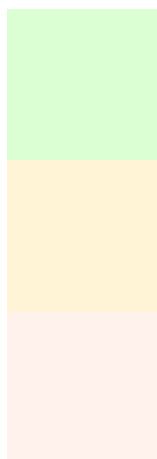
This preview shows how white text looks on a background with the XYZ color 76.6063, 91.2332,

74.5450.

# 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

76.6063, 91.2332, 74.5450

### Protanopia

85.7283, 90.8164, 76.6293

### Deuteranopia

88.1325, 90.8204, 92.2419



## Tritanopia

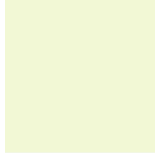
85.9308, 91.1361, 107.6697

# Trichromacy



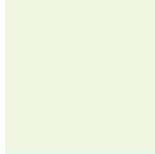
## Original Color

76.6063, 91.2332, 74.5450



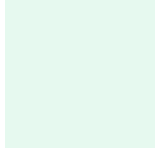
## Protanomaly

82.1956, 90.8161, 76.1479



## Deuteranomaly

83.7438, 90.9448, 85.8134



## Tritanomaly

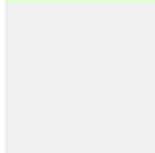
82.0888, 90.8064, 94.8622

# Monochromacy



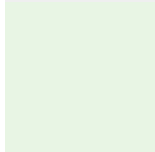
## Original Color

76.6063, 91.2332, 74.5450



## 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 76.6063, 91.2332, 74.5450 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(219, 255, 210)` looks like.

```
.text, #text, p{  
    color:rgb(219, 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(219, 255, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 255, 210) }
```

## Border

The CSS property to change the border of an element to XYZ 76.6063, 91.2332, 74.5450 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(219, 255, 210) }
```



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

```
.border{ border-color:rgb(219, 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(219, 255, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 255, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 255, 210);  
box-shadow:4px 4px 4px 4px rgb(219, 255,  
210) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.6063, 91.2332, 74.5450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 255, 210) }
```

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

```
.background{ background-color: rgb(219,  
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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