

# Converting Colors

XYZ(86.7062, 111.0988,  
75.6504)

Have a look what the booklet for  
XYZ(86.7062, 111.0988, 75.6504)  
contains.

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# Color

**XYZ(76.8413, 91.3971,  
72.6229)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDFFCF
RGB	221, 255, 207
RGB Percent	87%, 100%, 81%
CMY	0.1333, 0.0000, 0.1882
CMYK	0.13, 0.00, 0.19, 0.00
HSL	103°, 100%, 91%
HSV	103°, 19%, 100%
XYZ	76.8413, 91.3971, 72.6229
YIQ	239.3620, -4.8560, -22.1360

# Conversions

## Conversions Part 2

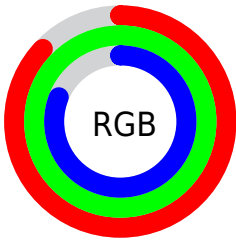
Format	Color
<b>RYB</b>	207, 255, 241
Decimal	14548943
CIELab	96.57, -19.44, 19.35
CIELCh	97, 27.429, 135.137
Yxy	91.3971, 0.3190, 0.3795
Android (android.graphics.Color)	4292739023 (0xFFDDFFCF)
YUV	239.3620, -15.9545, -16.1035
Hunter-Lab	95.6018, -23.8313, 21.8823

# Details

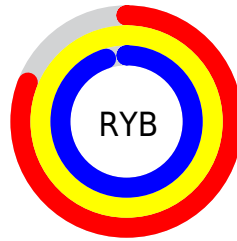
The XYZ color **76.8413, 91.3971, 72.6229** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **76.6392, 70.5476, 104.1855**, and the grayscale version is **82.4488, 86.7426, 94.4627**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.6697, 50.7951, 37.7452** is the 20% darker color. If you saturate the color by 10%, you get **68.7641, 87.5648, 57.2641**, and if you desaturate by 10%, it is **86.0151, 95.7366, 90.6639**.

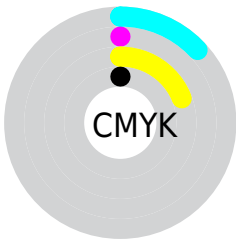
# Distribution



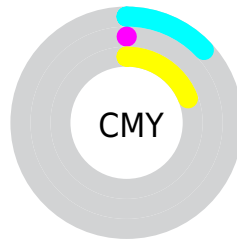
- Red (87%)
- Green (100%)
- Blue (81%)



- Red (81%)
- Yellow (100%)
- Blue (95%)



- Cyan (13%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)




- Cyan (13%)
- Magenta (0%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.8413, 91.3971, 72.6229 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 76.8413, 91.3971, 72.6229 by changing the saturation by 10% instead.



 76.8413, 91.3971,  
72.6229

 76.8413, 91.3971,  
72.6229


473.1230,  
532.5652, 488.7425

 57.4221, 69.1400,  
53.1777


127.8895,  
149.2775, 124.6577

 41.5857, 50.8257,  
37.5560


160.2492,  
185.6696, 158.0843

 28.9667, 36.0699,  
25.3391


197.6530,  
227.5421, 197.0086

 19.1998, 24.4882,  
16.1086

240.4665,  
275.2795, 241.8490

 11.9196, 15.6962,  
9.4458

289.0549,  
329.2661, 293.0240

 6.7608, 9.3094,  
4.9323

343.7835,

 3.3579, 4.9435,

389.8863, 350.9522

2.1496

405.0178,  
457.5245, 416.0522

■ 1.3457, 2.2142,  
0.6450

■ 0.2171, 0.7277,  
0.0000

■ 76.8413, 91.3971,  
72.6229

■ 76.8413, 91.3971,  
72.6229

■ 68.7641, 87.5648,  
57.2641

■ 86.0151, 95.7366,  
90.6639

■ 61.7387, 84.2193,  
44.4554

95.0500, 100.0000,  
108.9000

■ 55.7201, 81.3404,  
34.0597

■ 50.6590, 78.9061,  
25.9256

■ 46.5015, 76.8923,  
19.8841

■ 43.1879, 75.2723,  
15.7431

■ 40.6497, 74.0158,  
13.2744

■ 38.7969, 73.0837,  
12.1480

■ 38.6129, 72.9907,  
12.0535

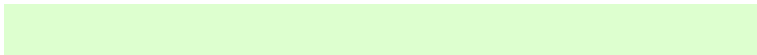
# Harmonies

## Analogous

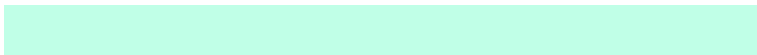
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.0798, 91.3971, 64.0928



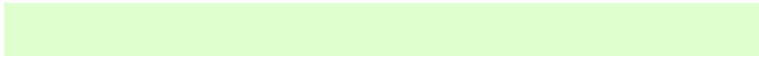
76.8413, 91.3971, 72.6229



73.3953, 91.3971, 89.0816

# Triad

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



76.8413, 91.3971, 72.6229



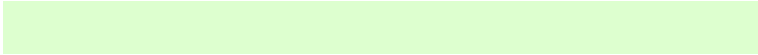
83.1460, 91.3971, 146.1178



101.8806, 91.3971, 88.9003

# Complementary

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



76.8413, 91.3971, 72.6229



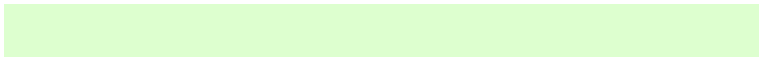
76.6392, 70.5476, 104.1855

# Split Complementary

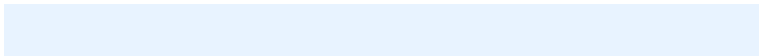
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



101.9009, 91.3971, 110.7348



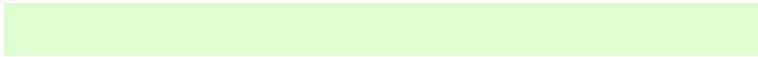
76.8413, 91.3971, 72.6229



90.7741, 91.3971, 146.0502

# Square

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



76.8413, 91.3971, 72.6229



76.8873, 91.3971, 132.5154



97.7358, 91.3971, 132.3425

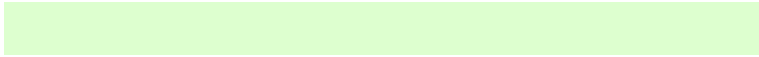


97.6818, 91.3971, 72.5071



# Rectangle

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



76.8413, 91.3971, 72.6229



73.0084, 91.3971, 103.3417



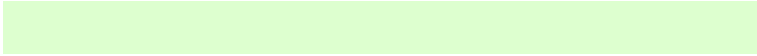
97.7358, 91.3971, 132.3425



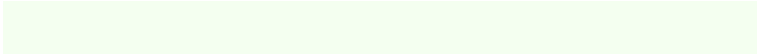
102.3841, 91.3971, 95.7857

# Sweetspot

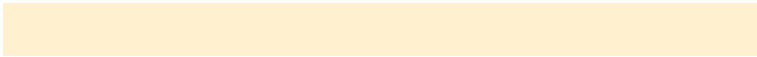
The Sweet Spot groups the original color and five complimentary colors.



76.8419, 91.3975, 72.6243



88.8083, 97.0556, 96.2575



83.8399, 88.4395, 71.6845



18.8686, 20.7078, 20.3218



0.0000, 0.0000, 0.0000

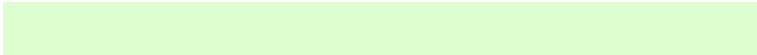


20.3446, 21.4041, 23.3091

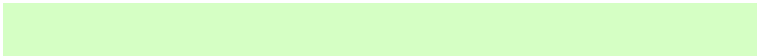


# Same Dimension

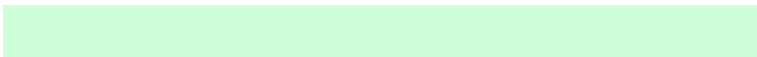
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.8419, 91.3975, 72.6243



73.3368, 89.7359, 65.8892



73.9653, 89.7747, 78.8042



18.2693, 20.4247, 19.1238



20.3040, 38.2052, 6.3042



2.0800, 3.7731, 0.6186



# Inverse Universe

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



76.6392, 70.5476, 104.1855



73.0933, 65.0167, 103.3048



80.0960, 72.5037, 96.4802



18.2463, 18.0187, 22.7662



19.4989, 8.9625, 50.1368



2.0074, 0.9288, 4.8867



# Previews

## White Background



This preview shows how the XYZ color 76.8413, 91.3971, 72.6229 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

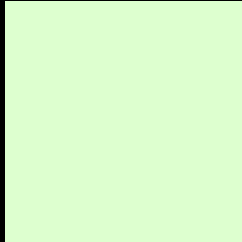
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.8413, 91.3971, 72.6229 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

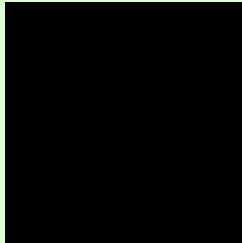
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

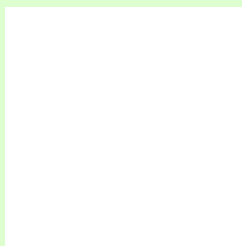
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 76.8413, 91.3971, 72.6229**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.8413, 91.3971, 72.6229.



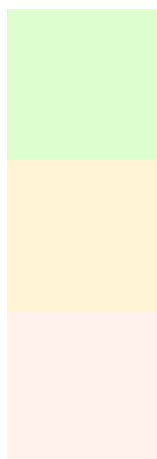
This preview shows how white text looks on a background with the XYZ color 76.8413, 91.3971,

72.6229.

# 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

76.8413, 91.3971, 72.6229

### Protanopia

85.7283, 90.8164, 76.6293

### Deuteranopia

88.1325, 90.8204, 92.2419

## **Tritanopia**

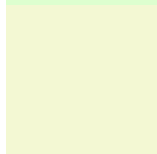
86.2657, 91.3087, 107.6854

# Trichromacy



## Original Color

76.8413, 91.3971, 72.6229



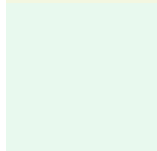
## Protanomaly

82.2874, 90.8926, 74.8350



## Deuteranomaly

83.8135, 91.0125, 84.3839



## Tritanomaly

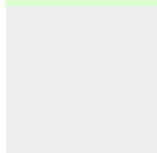
82.5870, 91.0802, 94.1164

# Monochromacy



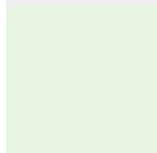
## Original Color

76.8413, 91.3971, 72.6229



## Achromatopsia

82.0431, 86.3157, 93.9978



## Achromatomaly

79.7962, 88.0067, 85.4543

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.8413, 91.3971, 72.6229 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, 207)` looks like.

```
.text, #text, p{  
    color:rgb(221, 255, 207)  
}
```

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, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 255, 207) }
```

## Border

The CSS property to change the border of an element to XYZ 76.8413, 91.3971, 72.6229 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, 207) }
```



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

```
.border{ border-color:rgb(221, 255, 207) }
```

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, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 255, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 255, 207);  
box-shadow:4px 4px 4px 4px rgb(221, 255,  
207) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.8413, 91.3971, 72.6229 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, 207) }
```

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

```
.background{ background-color: rgb(221,  
255, 207) }
```

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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