

# Converting Colors

XYZ(76.5855, 90.8210, 71.2513)

Have a look what the booklet for  
XYZ(76.5855, 90.8210, 71.2513)  
contains.

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# Color

**XYZ(76.5855, 90.8210,  
71.2513)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEFECD
RGB	222, 254, 205
RGB Percent	87%, 100%, 80%
CMY	0.1294, 0.0039, 0.1961
CMYK	0.13, 0.00, 0.19, 0.00
HSL	99°, 96%, 90%
HSV	99°, 19%, 100%
XYZ	76.5855, 90.8210, 71.2513
YIQ	238.8460, -3.3430, -22.0230

# Conversions

## Conversions Part 2

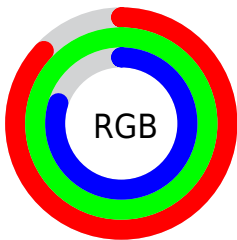
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	205, 254, 237
Decimal	14614221
CIE <sub>Lab</sub>	96.34, -18.94, 20.05
CIE <sub>LCh</sub>	96, 27.577, 133.369
Yxy	90.8210, 0.3209, 0.3805
Android (android.graphics.Color)	4292804301 (0xFFDEFECD)
YUV	238.8460, -16.6861, -14.7739
Hunter-Lab	95.3001, -23.3280, 22.3817

# Details

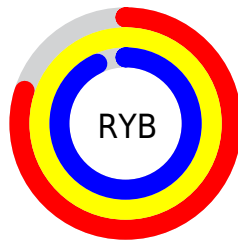
The XYZ color **76.5855, 90.8210, 71.2513** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **74.6493, 68.8254, 103.1209**, and the grayscale version is **82.0540, 86.3272, 94.0103**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.4885, 50.3824, 36.8162** is the 20% darker color. If you saturate the color by 10%, you get **68.9320, 87.2041, 56.1665**, and if you desaturate by 10%, it is **85.2417, 94.9026, 88.9850**.

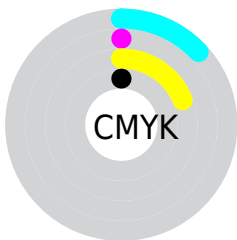
# Distribution



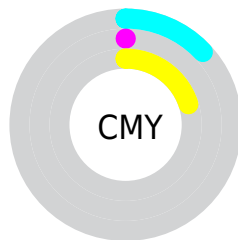
- Red (87%)
- Green (100%)
- Blue (80%)



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



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




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


# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.5855, 90.8210, 71.2513 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 76.5855, 90.8210, 71.2513 by changing the saturation by 10% instead.




 76.5855, 90.8210,  
71.2513

 76.5855, 90.8210,  
71.2513


472.2633,  
530.6979, 483.8387

 57.2115, 68.6618,  
52.0642


127.5302,  
148.4783, 122.6893

 41.4159, 50.4363,  
36.6737


159.8315,  
184.7451, 155.7772

 28.8333, 35.7602,  
24.6611


197.1727,  
226.4833, 194.3359

 19.0984, 24.2491,  
15.6080

239.9190,  
274.0772, 238.7838

 11.8458, 15.5185,  
9.0959

288.4359,  
327.9112, 289.5395

 6.7102, 9.1841,  
4.7061

343.0887,

 3.3263, 4.8614,

388.3697, 347.0216

2.0202

404.2427,  
455.8372, 411.6484

■ 1.3286, 2.1662,  
0.5676

■ 0.2044, 0.7015,  
0.0000

■ 76.5855, 90.8210,  
71.2513

■ 76.5855, 90.8210,  
71.2513

■ 68.9320, 87.2041,  
56.1665

■ 85.2417, 94.9026,  
88.9850

■ 62.2355, 84.0232,  
43.5976

94.7336, 99.3672,  
108.7945

■ 56.4574, 81.2640,  
33.4093

■ 51.5535, 78.9071,  
25.4509

■ 47.4754, 76.9310,  
19.5545

■ 44.1692, 75.3123,  
15.5287

■ 41.5730, 74.0239,  
13.1459

■ 39.6010, 73.0293,  
12.0605

■ 39.4789, 72.9675,  
12.0034

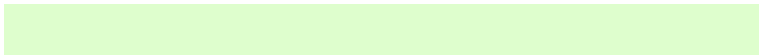
# Harmonies

## Analogous

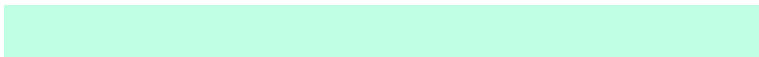
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.9570, 90.8210, 63.2233



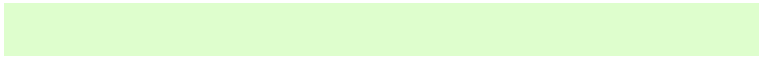
76.5855, 90.8210, 71.2513



72.9478, 90.8210, 87.2856

# Triad

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



76.5855, 90.8210, 71.2513



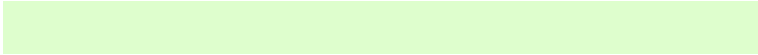
82.1699, 90.8210, 145.1342



101.4816, 90.8210, 89.4396

# Complementary

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



76.5855, 90.8210, 71.2513



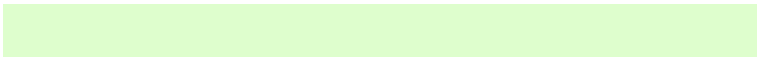
74.6493, 68.8254, 103.1209

# Split Complementary

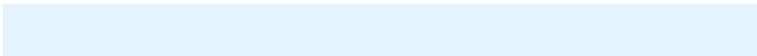
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



101.2398, 90.8210, 111.4769



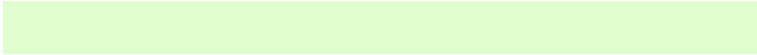
76.5855, 90.8210, 71.2513



89.7781, 90.8210, 145.9391

# Square

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



76.5855, 90.8210, 71.2513



76.0388, 90.8210, 130.8231



96.8520, 90.8210, 132.8823

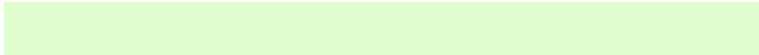


97.4942, 90.8210, 72.6262

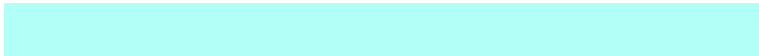


# Rectangle

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



76.5855, 90.8210, 71.2513



72.4204, 90.8210, 101.3921



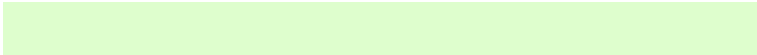
96.8520, 90.8210, 132.8823



101.8990, 90.8210, 96.4267

# Sweetspot

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



76.5879, 90.8249, 71.2533



89.1024, 97.2073, 96.2713



82.1369, 85.9639, 70.0225



18.9379, 20.7435, 20.3250



0.0000, 0.0000, 0.0000

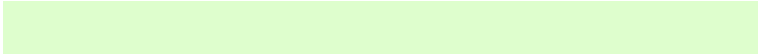


20.3446, 21.4041, 23.3091

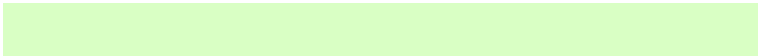


# Same Dimension

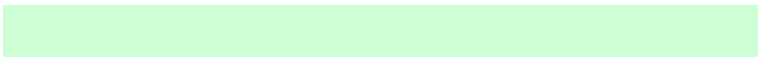
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.5879, 90.8249, 71.2533



74.2885, 90.2266, 65.9337



72.5492, 88.6380, 75.8059



18.3658, 20.4745, 19.1283



20.9554, 38.5410, 6.3347



2.1527, 3.8105, 0.6220



# Inverse Universe

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



74.6493, 68.8254, 103.1209



72.0159, 64.4614, 103.2544



79.4423, 71.4297, 97.3172



18.1451, 17.9665, 22.7615



17.8752, 8.1255, 50.0608

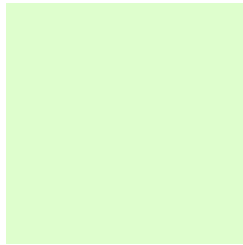


1.8583, 0.8519, 4.8798



# Previews

## White Background



This preview shows how the XYZ color 76.5855, 90.8210, 71.2513 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 76.5855, 90.8210, 71.2513 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

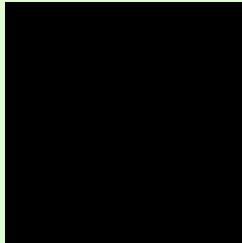
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

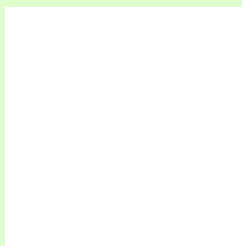
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 76.5855, 90.8210, 71.2513**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.5855, 90.8210, 71.2513.



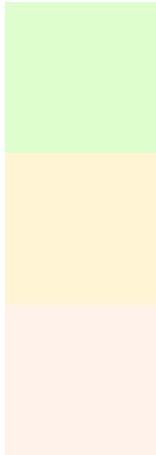
This preview shows how white text looks on a background with the XYZ color 76.5855, 90.8210,

71.2513.

# 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

76.5855, 90.8210, 71.2513

### Protanopia

85.3486, 90.6645, 74.6297

### Deuteranopia

87.9875, 90.7624, 91.4787



## Tritanopia

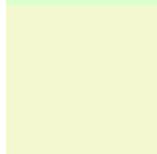
85.9623, 90.7020, 107.5843

# Trichromacy



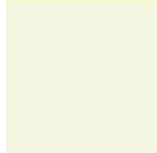
## Original Color

76.5855, 90.8210, 71.2513



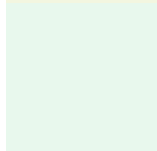
## Protanomaly

82.0382, 90.7929, 73.5225



## Deuteranomaly

83.3725, 90.3480, 83.5657



## Tritanomaly

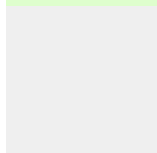
82.1322, 90.4050, 93.2419

# Monochromacy



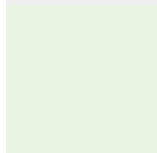
## Original Color

76.5855, 90.8210, 71.2513



## Achromatopsia

82.0431, 86.3157, 93.9978



## Achromatomaly

79.8201, 87.5711, 85.3690

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.5855, 90.8210, 71.2513 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(222, 254, 205)` looks like.

```
.text, #text, p{  
    color:rgb(222, 254, 205)  
}
```

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(222, 254, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 254, 205) }
```

## Border

The CSS property to change the border of an element to XYZ 76.5855, 90.8210, 71.2513 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(222, 254, 205) }
```



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

```
.border{ border-color:rgb(222, 254, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 254, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 254, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 254, 205);  
box-shadow:4px 4px 4px 4px rgb(222, 254,  
205) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.5855, 90.8210, 71.2513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 254, 205) }
```

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

```
.background{ background-color: rgb(222,  
254, 205) }
```

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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