

# Converting Colors

XYZ(74.2934, 90.7205, 43.7321)

Have a look what the booklet for  
XYZ(74.2934, 90.7205, 43.7321)  
contains.

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# Color

**XYZ(74.1429, 90.6429,  
43.7251)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6FF99
RGB	230, 255, 153
RGB Percent	90%, 100%, 60%
CMY	0.0980, 0.0000, 0.4000
CMYK	0.10, 0.00, 0.40, 0.00
HSL	75°, 100%, 80%
HSV	75°, 40%, 100%
XYZ	74.1429, 90.6429, 43.7251
YIQ	235.8970, 17.8420, -37.0220

# Conversions

## Conversions Part 2

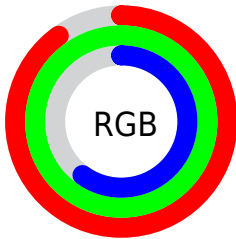
<b>Format</b>	<b>Color</b>
<b>RYB</b>	153, 255, 178
Decimal	15138713
CIELab	96.26, -23.62, 46.00
CIELCh	96, 51.711, 117.179
Yxy	90.6429, 0.3556, 0.4347
Android (android.graphics.Color)	4293328793 (0xFFE6FF99)
YUV	235.8970, -40.8682, -5.1717
Hunter-Lab	95.2066, -27.6031, 39.4147

# Details

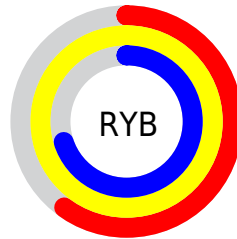
The XYZ color **74.1429, 90.6429, 43.7251** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **47.8025, 39.4688, 99.7065**, and the grayscale version is **79.9426, 84.1058, 91.5912**.

A 20% lighter version of the original color is **88.5086, 97.3834, 74.4536**, and **39.7279, 50.1925, 19.6508** is the 20% darker color. If you saturate the color by 10%, you get **70.2867, 88.8728, 33.7006**, and if you desaturate by 10%, it is **78.5217, 92.6303, 56.1257**.

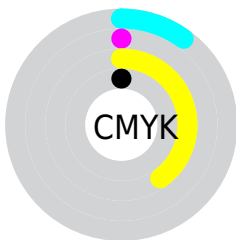
# Distribution



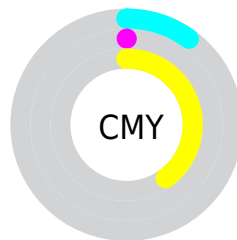
- Red (90%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (70%)



- Cyan (10%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)




- Cyan (10%)
- Magenta (0%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.1429, 90.6429, 43.7251 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 74.1429, 90.6429, 43.7251 by changing the saturation by 10% instead.





 74.1429, 90.6429,  
43.7251


 74.1429, 90.6429,  
43.7251


464.0091,  
530.1200, 377.5938

 55.2027, 68.5140,  
30.1188


 124.0928,  
148.2311, 82.1020

 39.7985, 50.3160,  
19.6760


 155.8332,  
184.4592, 107.7097

 27.5650, 35.6645,  
11.9780


192.5710,  
226.1557, 138.1550

 18.1368, 24.1752,  
6.6063

234.6716,  
273.7052, 173.8564

 11.1485, 15.4637,  
3.1425

282.5004,  
327.4920, 215.2324

 6.2348, 9.1454,  
1.1678

336.4226,

 3.0304, 4.8362,

387.9004, 262.7016

0.0000

396.8038,  
455.3149, 316.6826

■ 1.1699, 2.1515,  
0.0000

■ 0.0824, 0.6933,  
0.0000

■ 74.1429, 90.6429,  
43.7251

■ 74.1429, 90.6429,  
43.7251

■ 70.2867, 88.8728,  
33.7006

■ 78.5217, 92.6303,  
56.1257

■ 66.9225, 87.3078,  
25.8960

■ 83.4494, 94.8457,  
71.0374

■ 64.0176, 85.9346,  
20.1425

■ 88.9513, 97.2992,  
88.5899

■ 61.5343, 84.7381,  
16.2452

95.0500, 100.0000,  
108.9000

■ 59.4277, 83.7002,  
13.9720

■ 57.6249, 82.7918,  
12.9433

■ 57.6247, 82.7916,  
12.9432

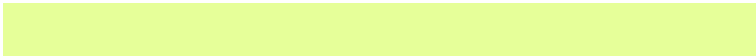
# Harmonies

## Analogous

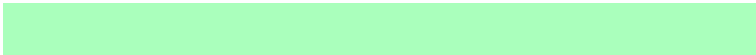
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.5199, 90.6429, 38.8945



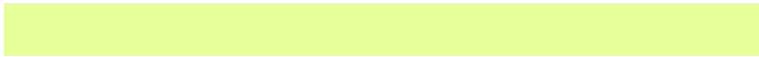
74.1429, 90.6429, 43.7251



64.9641, 90.6429, 61.7284

# Triad

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



74.1429, 90.6429, 43.7251



72.0330, 90.6429, 181.2123



116.7897, 90.6429, 102.6393

# Complementary

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



74.1429, 90.6429, 43.7251



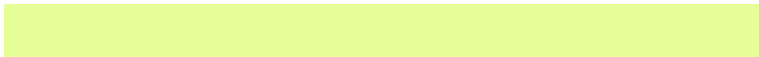
47.8025, 39.4688, 99.7065

# 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.



111.5117, 90.6429, 148.0783



74.1429, 90.6429, 43.7251



84.8011, 90.6429, 200.6596

# Square

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



74.1429, 90.6429, 43.7251



63.8444, 90.6429, 139.4155



99.3955, 90.6429, 187.1128

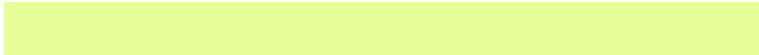


113.1340, 90.6429, 66.7926

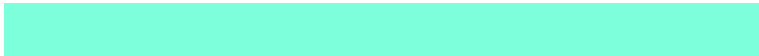


# Rectangle

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



74.1429, 90.6429, 43.7251



61.9303, 90.6429, 82.1613



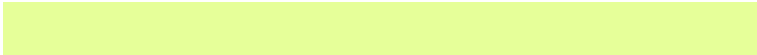
99.3955, 90.6429, 187.1128



115.9891, 90.6429, 117.3095

# Sweetspot

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



74.1432, 90.6430, 43.7264



87.8032, 96.7887, 84.8601



62.6731, 54.9262, 37.4369



18.6358, 20.6466, 17.6551



0.0000, 0.0000, 0.0000

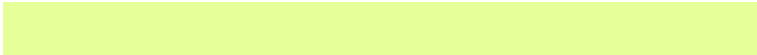


20.3446, 21.4041, 23.3091



# Same Dimension

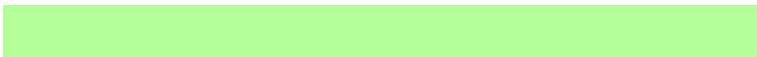
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.1432, 90.6430, 43.7264



71.0172, 89.2099, 35.5219



60.3795, 83.5476, 43.0822



19.1007, 20.8534, 19.1627



30.2524, 43.3338, 6.7698



3.0441, 4.2701, 0.6638



# Inverse Universe

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



47.8025, 39.4688, 99.7065



41.4055, 31.6302, 98.5307



61.3735, 46.4649, 100.3416



17.4200, 17.5927, 22.7276



10.5981, 4.3740, 49.7203

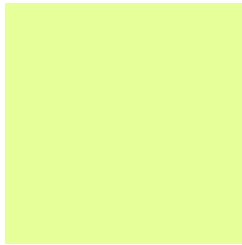


1.1257, 0.4742, 4.8455



# Previews

## White Background



This preview shows how the XYZ color 74.1429, 90.6429, 43.7251 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 74.1429, 90.6429, 43.7251 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

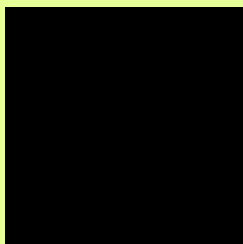
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

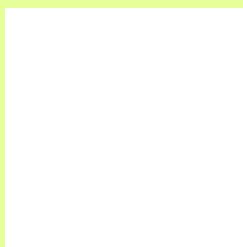
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 74.1429, 90.6429, 43.7251**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.1429, 90.6429, 43.7251.



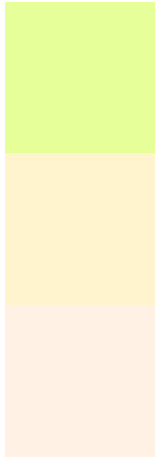
This preview shows how white text looks on a background with the XYZ color 74.1429, 90.6429,



# 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

74.1429, 90.6429, 43.7251

### Protanopia

84.6101, 90.3691, 70.7412

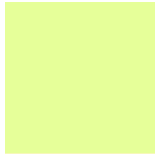
### Deuteranopia

87.1350, 90.4214, 86.9893

## **Tritanopia**

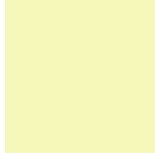
87.4088, 90.5543, 107.4795

# Trichromacy



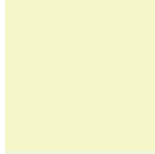
## Original Color

74.1429, 90.6429, 43.7251



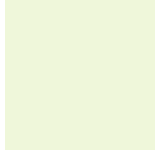
## Protanomaly

80.4364, 90.2728, 59.6393



## Deuteranomaly

81.8094, 90.3314, 68.3822



## Tritanomaly

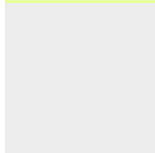
81.5123, 89.9342, 79.3925

# Monochromacy



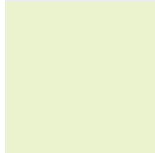
## Original Color

74.1429, 90.6429, 43.7251



## Achromatopsia

79.7278, 83.8799, 91.3452



## Achromatomaly

77.1229, 86.0498, 70.9370

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.1429, 90.6429, 43.7251 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(230, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(230, 255, 153)  
}
```

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(230, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 255, 153) }
```

## Border

The CSS property to change the border of an element to XYZ 74.1429, 90.6429, 43.7251 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(230, 255, 153) }
```



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

```
.border{ border-color:rgb(230, 255, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 255, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(230, 255,  
153) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.1429, 90.6429, 43.7251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 255, 153) }
```

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

```
.background{ background-color: rgb(230,  
255, 153) }
```

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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