

# Converting Colors

XYZ(43.0073, 74.7323, 34.4373)

Have a look what the booklet for  
XYZ(43.0073, 74.7323, 34.4373)  
contains.

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# Color

**XYZ(42.9741, 74.7500,  
34.3535)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4CFF85
RGB	76, 255, 133
RGB Percent	30%, 100%, 52%
CMY	0.7020, 0.0000, 0.4784
CMYK	0.70, 0.00, 0.48, 0.00
HSL	139°, 100%, 65%
HSV	139°, 70%, 100%
XYZ	42.9741, 74.7500, 34.3535
YIQ	187.5710, -67.5220, -75.8900

# Conversions

## Conversions Part 2

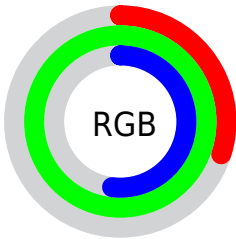
<b>Format</b>	<b>Color</b>
<b>RYB</b>	76, 212, 255
Decimal	5046149
CIELab	89.28, -70.02, 45.35
CIELCh	89, 83.422, 147.065
Yxy	74.7500, 0.2826, 0.4915
Android (android.graphics.Color)	4283236229 (0xFF4CFF85)
YUV	187.5710, -26.9035, -97.8478
Hunter-Lab	86.4581, -62.5780, 36.9622

# Details

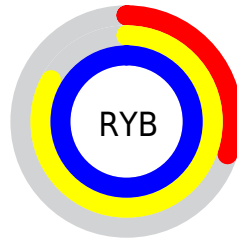
The XYZ color **42.9741, 74.7500, 34.3535** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **54.0174, 30.5063, 56.4664**, and the grayscale version is **47.7317, 50.2175, 54.6869**.

A 20% lighter version of the original color is **56.5142, 81.1706, 60.2658**, and **21.4515, 40.5266, 14.4764** is the 20% darker color. If you saturate the color by 10%, you get **40.2308, 73.4631, 28.4679**, and if you desaturate by 10%, it is **46.7191, 76.5301, 41.3255**.

# Distribution



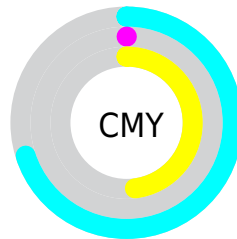
- Red (30%)
- Green (100%)
- Blue (52%)



- Red (30%)
- Yellow (83%)
- Blue (100%)



- Cyan (70%)
- Magenta (0%)
- Yellow (48%)
- Black (0%)




- Cyan (70%)
- Magenta (0%)
- Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.9741, 74.7500, 34.3535 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 42.9741, 74.7500, 34.3535 by changing the saturation by 10% instead.





 42.9741, 74.7500,  
34.3535


 42.9741, 74.7500,  
34.3535


349.4286,  
477.0579, 336.5226


 30.0592, 55.4081,  
22.8857


 78.9277, 125.9584,  
67.6232

 20.0318, 39.7286,  
14.3047


 102.6972,  
158.5937, 90.2622

 12.5266, 27.3270,  
8.1917


 130.8156,  
196.4290, 117.4620

 7.1781, 17.8189,  
4.1283

 163.6482,  
239.8485, 149.6412

 3.6211, 10.8201,  
1.6960

201.5605,  
289.2368, 187.2183

 1.4901, 5.9460,  
0.3580

244.9177,

 0.3191, 2.8123,

344.9782, 230.6119

0.0000

294.0853,  
407.4571, 280.2405

0.0000, 1.0345,  
0.0000

0.0000, 0.0000,  
0.0000

42.9741, 74.7500,  
34.3535

42.9741, 74.7500,  
34.3535

40.2308, 73.4631,  
28.4679

46.7191, 76.5301,  
41.3255

38.3771, 72.6132,  
23.6089

51.5584, 78.8505,  
49.4321

37.2529, 72.1171,  
19.7813

57.5750, 81.7527,  
58.7229

64.8430, 85.2742,  
69.2435

■ 73.4306, 89.4491,  
81.0368

■ 83.4008, 94.3091,  
94.1438

94.8123, 99.8838,  
108.6037

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



54.6684, 74.7500, 16.7782



42.9741, 74.7500, 34.3535



38.6600, 74.7500, 75.7788

# Triad

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



42.9741, 74.7500, 34.3535



69.0603, 74.7500, 252.7745



111.9645, 74.7500, 40.2627

# Complementary

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



42.9741, 74.7500, 34.3535



54.0174, 30.5063, 56.4664

# 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.



117.8047, 74.7500, 87.2717



42.9741, 74.7500, 34.3535



90.4095, 74.7500, 227.7987

# Square

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



42.9741, 74.7500, 34.3535



51.8023, 74.7500, 216.5776



109.2697, 74.7500, 158.9175



94.5516, 74.7500, 18.8641



# Rectangle

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



42.9741, 74.7500, 34.3535



39.7864, 74.7500, 118.9638



109.2697, 74.7500, 158.9175



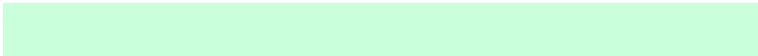
115.4753, 74.7500, 52.6998

# Sweetspot

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



42.9745, 74.7501, 34.3547



72.6894, 89.0883, 80.0398



60.4370, 84.0907, 19.8836



15.0285, 18.8107, 16.4133



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.



42.9745, 74.7501, 34.3547



39.4274, 73.0917, 26.5013



51.9501, 78.3403, 81.6195



18.0099, 20.2635, 20.3551



19.5251, 37.7066, 10.6502



1.9483, 3.6902, 1.2856



# Inverse Universe

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



54.0174, 30.5063, 56.4664



50.9731, 26.4109, 49.3063



46.5751, 27.5293, 17.2756



18.5321, 18.1961, 21.4190



25.6014, 12.7298, 22.3492

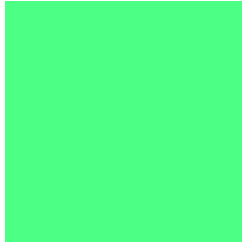


2.5425, 1.2594, 2.4380



# Previews

## White Background



This preview shows how the XYZ color 42.9741, 74.7500, 34.3535 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 42.9741, 74.7500, 34.3535 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

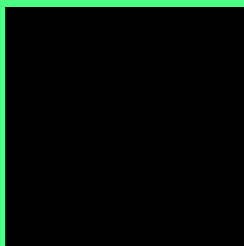
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 42.9741, 74.7500, 34.3535**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.9741, 74.7500, 34.3535.



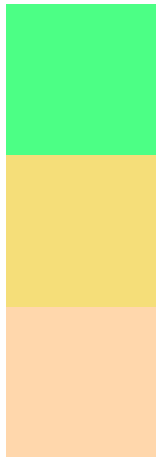
This preview shows how white text looks on a background with the XYZ color 42.9741, 74.7500,



# 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

42.9741, 74.7500, 34.3535

### Protanopia

67.2287, 73.0355, 28.6431

### Deuteranopia

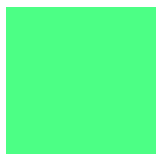
72.9868, 72.8394, 49.2423



## Tritanopia

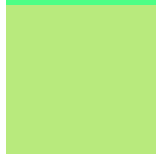
59.6090, 74.0318, 105.7556

# Trichromacy



## Original Color

42.9741, 74.7500, 34.3535



## Protanomaly

52.8917, 70.5167, 30.2254



## Deuteranomaly

55.7036, 70.0094, 42.9250



## Tritanomaly

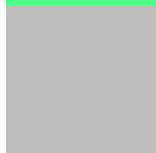
51.4447, 73.1864, 73.0430

# Monochromacy



## Original Color

42.9741, 74.7500, 34.3535



## Achromatopsia

47.7994, 50.2886, 54.7643



## Achromatomaly

42.6440, 56.1172, 45.6299

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.9741, 74.7500, 34.3535 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(76, 255, 133)` looks like.

```
.text, #text, p{  
    color:rgb(76, 255, 133)  
}
```

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(76, 255, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 255, 133) }
```

## Border

The CSS property to change the border of an element to XYZ 42.9741, 74.7500, 34.3535 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(76, 255, 133) }
```



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

```
.border{ border-color:rgb(76, 255, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 255, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 255, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 255, 133);  
box-shadow:4px 4px 4px 4px rgb(76, 255,  
133) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.9741, 74.7500, 34.3535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 255, 133) }
```

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

```
.background{ background-color: rgb(76, 255,  
133) }
```

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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