

# Converting Colors

XYZ(43.7124, 73.9856, 41.5720)

Have a look what the booklet for  
XYZ(43.7124, 73.9856, 41.5720)  
contains.

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# Color

**XYZ(43.7733, 74.0541,  
41.6925)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4CFD98
RGB	76, 253, 152
RGB Percent	30%, 99%, 60%
CMY	0.7019, 0.0078, 0.4039
CMYK	0.70, 0.00, 0.40, 0.01
HSL	146°, 98%, 65%
HSV	146°, 70%, 99%
XYZ	43.7733, 74.0541, 41.6925
YIQ	188.5630, -73.0710, -68.9350

# Conversions

## Conversions Part 2

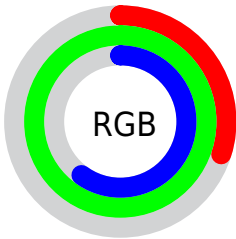
Format	Color
<a href="#">RYB</a>	<a href="#">76, 200, 253</a>
Decimal	<a href="#">5045656</a>
CIELab	<a href="#">88.95, -66.24, 35.71</a>
CIELCh	<a href="#">89, 75.252, 151.668</a>
Yxy	<a href="#">74.0541, 0.2744, 0.4642</a>
Android (android.graphics.Color)	<a href="#">4283235736 (0xFF4CFD98)</a>
YUV	<a href="#">188.5630, -18.0256, -98.7178</a>
Hunter-Lab	<a href="#">86.0547, -59.7984, 31.5130</a>

# Details

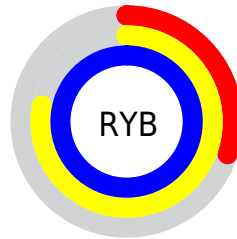
The XYZ color **43.7733, 74.0541, 41.6925** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **51.0307, 29.2274, 44.5497**, and the grayscale version is **48.2515, 50.7643, 55.2824**.

A 20% lighter version of the original color is **58.6995, 82.0447, 71.7739**, and **21.8154, 39.9503, 18.6180** is the 20% darker color. If you saturate the color by 10%, you get **41.0331, 72.7719, 35.7639**, and if you desaturate by 10%, it is **47.4510, 75.8070, 48.4196**.

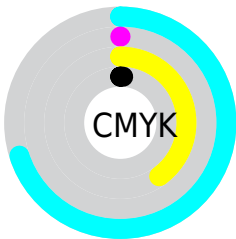
# Distribution



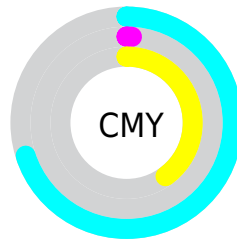
- Red (30%)
- Green (99%)
- Blue (60%)



- Red (30%)
- Yellow (78%)
- Blue (99%)



- Cyan (70%)
- Magenta (0%)
- Yellow (40%)
- Black (1%)




- Cyan (70%)
- Magenta (1%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.7733, 74.0541, 41.6925 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 43.7733, 74.0541, 41.6925 by changing the saturation by 10% instead.





 43.7733, 74.0541,  
41.6925


 43.7733, 74.0541,  
41.6925


352.6502,  
474.6601, 368.9686


 30.6895, 54.8383,  
28.5368


 80.1250, 124.9725,  
78.9991


 20.5132, 39.2723,  
18.4882


 104.1235,  
157.4439, 103.9871

 12.8790, 26.9716,  
11.1280


 132.4910,  
195.1026, 133.7562

 7.4217, 17.5519,  
6.0377

 165.5928,  
238.3331, 168.7251

 3.7759, 10.6288,  
2.7989

203.7943,  
287.5197, 209.3122

 1.5761, 5.8178,  
0.9929

247.4608,

 0.3768, 2.7346,

343.0468, 255.9362

0.0000

296.9576,  
405.2988, 309.0155

0.0000, 0.9948,  
0.0000

0.0000, 0.0000,  
0.0000

43.7733, 74.0541,  
41.6925

43.7733, 74.0541,  
41.6925

41.0331, 72.7719,  
35.7639

47.4510, 75.8070,  
48.4196

39.1208, 71.8985,  
30.5970


52.1482, 78.0662,  
55.9697


37.8717, 71.3515,  
26.1572


57.9437, 80.8740,  
64.3725


37.8673, 71.3496,  
26.1406

64.9069, 84.2654,  
73.6544

 73.1011, 88.2727,  
83.8407

 82.5849, 92.9256,  
94.9555

 93.4133, 98.2519,  
107.0222

 94.4167, 98.7334,  
108.6889

# Harmonies

## Analogous

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



53.5082, 74.0541, 21.7414



43.7733, 74.0541, 41.6925



40.7890, 74.0541, 83.5968

# Triad

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



43.7733, 74.0541, 41.6925



71.4138, 74.0541, 228.7866



104.7155, 74.0541, 38.5091

# Complementary

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



43.7733, 74.0541, 41.6925



51.0307, 29.2274, 44.5497

# 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.



111.6605, 74.0541, 77.7388



43.7733, 74.0541, 41.6925



90.4855, 74.0541, 200.1367

# Square

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



43.7733, 74.0541, 41.6925



54.9972, 74.0541, 205.5541



106.0540, 74.0541, 138.4180



88.4073, 74.0541, 20.5417



# Rectangle

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



43.7733, 74.0541, 41.6925



42.5281, 74.0541, 123.7735



106.0540, 74.0541, 138.4180



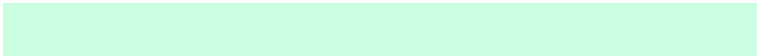
108.3380, 74.0541, 48.8990

# Sweetspot

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



43.7752, 74.0571, 41.6942



73.4833, 89.4058, 84.2204



55.0805, 80.3892, 19.4518



15.2157, 18.8856, 17.3993



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.



43.7752, 74.0571, 41.6942



40.8843, 73.6745, 34.1733



53.5775, 77.9780, 93.3124



18.0953, 20.2977, 20.8049



20.2128, 37.9817, 14.2719



2.0215, 3.7195, 1.6710



# Inverse Universe

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



51.0307, 29.2274, 44.5497



48.6395, 25.4775, 37.0179



44.9721, 26.8040, 12.6453



18.4438, 18.1608, 20.9539



24.3163, 12.2158, 15.5818

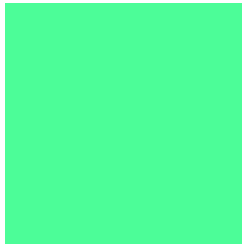


2.4224, 1.2113, 1.8056



# Previews

## White Background



This preview shows how the XYZ color 43.7733, 74.0541, 41.6925 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 43.7733, 74.0541, 41.6925 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 43.7733, 74.0541, 41.6925**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.7733, 74.0541, 41.6925.



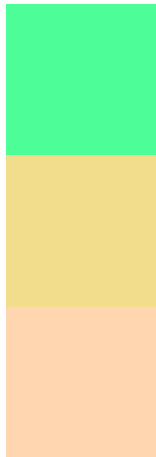
This preview shows how white text looks on a background with the XYZ color 43.7733, 74.0541,



# 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

43.7733, 74.0541, 41.6925

### Protanopia

66.7923, 72.2778, 34.8568

### Deuteranopia

73.0244, 72.4483, 50.6926



## Tritanopia

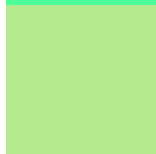
58.7779, 73.6033, 105.7167

# Trichromacy



## Original Color

43.7733, 74.0541, 41.6925



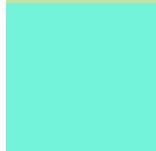
## Protanomaly

53.2290, 70.1152, 37.1137



## Deuteranomaly

55.9537, 69.2240, 46.9717



## Tritanomaly

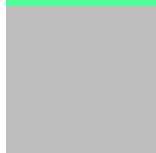
51.6449, 72.7405, 77.6480

# Monochromacy



## Original Color

43.7733, 74.0541, 41.6925



## Achromatopsia

48.3692, 50.8881, 55.4172



## Achromatomaly

43.5927, 56.5175, 49.6857

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.7733, 74.0541, 41.6925 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, 253, 152)` looks like.

```
.text, #text, p{  
    color:rgb(76, 253, 152)  
}
```

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, 253, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 253, 152) }
```

## Border

The CSS property to change the border of an element to XYZ 43.7733, 74.0541, 41.6925 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, 253, 152) }
```



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

```
.border{ border-color:rgb(76, 253, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 253, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 253, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 253, 152);  
box-shadow:4px 4px 4px 4px rgb(76, 253,  
152) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.7733, 74.0541, 41.6925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 253, 152) }
```

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

```
.background{ background-color: rgb(76, 253,  
152) }
```

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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