

# Converting Colors

XYZ(43.2956, 74.6920, 44.4768)

Have a look what the booklet for  
XYZ(43.2956, 74.6920, 44.4768)  
contains.

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# Color

**XYZ(43.2968, 74.6924,  
44.4829)**

# Conversions

## Conversions Part 1

Format	Color
Hex	33FF9E
RGB	51, 255, 158
RGB Percent	20%, 100%, 62%
CMY	0.8000, 0.0000, 0.3804
CMYK	0.80, 0.00, 0.38, 0.00
HSL	151°, 100%, 60%
HSV	151°, 80%, 100%
XYZ	43.2968, 74.6924, 44.4829
YIQ	182.9460, -90.4470, -73.4150

# Conversions

## Conversions Part 2

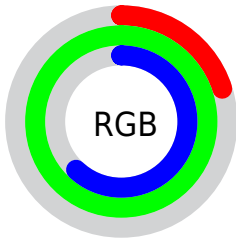
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">51, 185, 255</a>
Decimal	<a href="#">3407774</a>
<a href="#">CIELab</a>	<a href="#">89.25, -68.94, 33.06</a>
<a href="#">CIElCh</a>	<a href="#">89, 76.458, 154.380</a>
<a href="#">Yxy</a>	<a href="#">74.6924, 0.2665, 0.4597</a>
<a href="#">Android (android.graphics.Color)</a>	<a href="#">4281597854 (0xFF33FF9E)</a>
<a href="#">YUV</a>	<a href="#">182.9460, -12.2984, -115.7166</a>
<a href="#">Hunter-Lab</a>	<a href="#">86.4248, -61.8190, 29.9807</a>

# Details

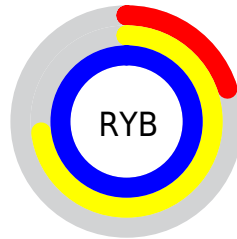
The XYZ color **43.2968, 74.6924, 44.4829** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **47.7697, 25.7665, 30.4742**, and the grayscale version is **45.0817, 47.4295, 51.6507**.

A 20% lighter version of the original color is **56.9762, 81.0699, 75.5959**, and **22.5678, 40.9731, 20.3548** is the 20% darker color. If you saturate the color by 10%, you get **41.3523, 73.8047, 39.2106**, and if you desaturate by 10%, it is **46.0487, 75.9845, 50.3331**.

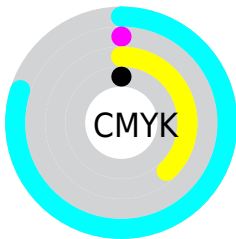
# Distribution



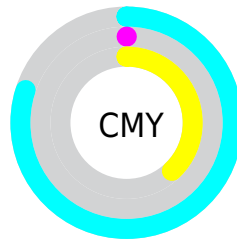
- Red (20%)
- Green (100%)
- Blue (62%)



- Red (20%)
- Yellow (73%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)




- Cyan (80%)
- Magenta (0%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.2968, 74.6924, 44.4829 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 43.2968, 74.6924, 44.4829 by changing the saturation by 10% instead.





 43.2968, 74.6924,  
44.4829


 43.2968, 74.6924,  
44.4829

350.7318,  
476.8596, 380.7741


 30.3136, 55.3609,  
30.7103


 79.4115, 125.8768,  
83.2541


 20.2260, 39.6908,  
20.1218


 103.2736,  
158.4986, 109.0898

 12.6686, 27.2975,  
12.2986


 131.4929,  
196.3193, 139.7837

 7.2762, 17.7968,  
6.8224

 164.4344,  
239.7232, 175.7543

 3.6833, 10.8042,  
3.2745

202.4638,  
289.0948, 217.4200

 1.5246, 5.9353,  
1.2365

245.9462,

 0.3425, 2.8058,

344.8185, 265.1996

0.0088

295.2471,  
407.2786, 319.5114

0.0000, 1.0312,  
0.0000

0.0000, 0.0000,  
0.0000

43.2968, 74.6924,  
44.4829

43.2968, 74.6924,  
44.4829

41.3523, 73.8047,  
39.2106

46.0487, 75.9845,  
50.3331

40.0459, 73.2344,  
34.4890

49.7099, 77.7330,  
56.7771

40.0456, 73.2343,  
34.4878

54.3682, 79.9831,  
63.8346

60.0999, 82.7737,  
71.5227

■ 66.9738, 86.1399,  
79.8581

■ 75.0526, 90.1139,  
88.8566

■ 84.3942, 94.7252,  
98.5333

■ 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.



52.5919, 74.6924, 22.5685



43.2968, 74.6924, 44.4829



40.8805, 74.6924, 89.4327

# Triad

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



43.2968, 74.6924, 44.4829



73.7694, 74.6924, 232.9175



104.9289, 74.6924, 35.9948

# Complementary

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



43.2968, 74.6924, 44.4829



47.7697, 25.7665, 30.4742

# 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.



113.1338, 74.6924, 73.7271



43.2968, 74.6924, 44.4829



93.2517, 74.6924, 199.0916

# Square

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



43.2968, 74.6924, 44.4829



56.5755, 74.6924, 213.6937



108.5258, 74.6924, 134.3689



87.6725, 74.6924, 19.3907



# Rectangle

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



43.2968, 74.6924, 44.4829



43.0610, 74.6924, 131.5687



108.5258, 74.6924, 134.3689



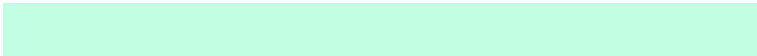
108.9623, 74.6924, 45.8460

# Sweetspot

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



43.2974, 74.6927, 44.4842



71.6706, 88.4484, 85.1743



48.8625, 78.2055, 15.6526



14.7319, 18.6323, 17.5486



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.



43.2974, 74.6927, 44.4842



40.5187, 73.4382, 36.3125



54.1005, 77.2939, 106.6756



18.1696, 20.3274, 21.1961



21.0008, 38.2969, 18.4212



2.1000, 3.7509, 2.0845



# Inverse Universe

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



47.7697, 25.7665, 30.4742



45.1555, 23.0033, 22.0025



43.1758, 24.1754, 5.5234



18.3690, 18.1309, 20.5604



23.4344, 11.8631, 10.9381

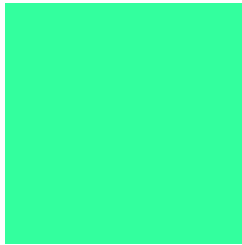


2.3365, 1.1770, 1.3534



# Previews

## White Background



This preview shows how the XYZ color 43.2968, 74.6924, 44.4829 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 43.2968, 74.6924, 44.4829 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

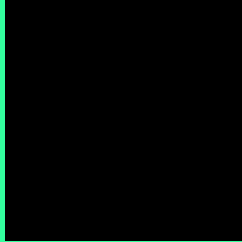
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 43.2968, 74.6924, 44.4829**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.2968, 74.6924, 44.4829.



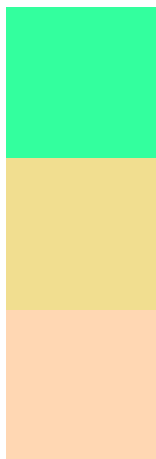
This preview shows how white text looks on a background with the XYZ color 43.2968, 74.6924,



# 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

43.2968, 74.6924, 44.4829

### Protanopia

67.4309, 72.9569, 36.9137

### Deuteranopia

73.6771, 73.1156, 52.8773



## Tritanopia

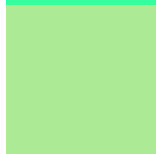
59.0698, 74.1872, 105.8140

# Trichromacy



## Original Color

43.2968, 74.6924, 44.4829



## Protanomaly

51.8609, 69.7862, 39.1705



## Deuteranomaly

54.7036, 69.3577, 49.0323



## Tritanomaly

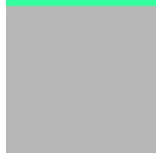
51.3964, 73.4754, 79.1834

# Monochromacy



## Original Color

43.2968, 74.6924, 44.4829



## Achromatopsia

45.0092, 47.3531, 51.5676



## Achromatomaly

40.4321, 53.8078, 48.2993

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.2968, 74.6924, 44.4829 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(51, 255, 158)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 158)  
}
```

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(51, 255, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 158) }
```

## Border

The CSS property to change the border of an element to XYZ 43.2968, 74.6924, 44.4829 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(51, 255, 158) }
```



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

```
.border{ border-color:rgb(51, 255, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 255, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 158);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
158) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.2968, 74.6924, 44.4829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 158) }
```

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

```
.background{ background-color: rgb(51, 255,  
158) }
```

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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