

# Converting Colors

XYZ(43.6610, 74.2892, 49.8831)

Have a look what the booklet for  
XYZ(43.6610, 74.2892, 49.8831)  
contains.

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# Color

**XYZ(43.6938, 74.2995,  
50.0685)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2BFEAA
RGB	43, 254, 170
RGB Percent	17%, 100%, 67%
CMY	0.8313, 0.0039, 0.3333
CMYK	0.83, 0.00, 0.33, 0.00
HSL	156°, 99%, 58%
HSV	156°, 83%, 100%
XYZ	43.6938, 74.2995, 50.0685
YIQ	181.3350, -98.7920, -70.8560

# Conversions

## Conversions Part 2

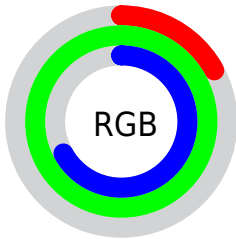
Format	Color
<a href="#">RYB</a>	<a href="#">43, 175, 254</a>
Decimal	<a href="#">2883242</a>
CIELab	<a href="#">89.06, -66.97, 26.77</a>
CIELCh	<a href="#">89, 72.125, 158.209</a>
Yxy	<a href="#">74.2995, 0.2600, 0.4421</a>
Android (android.graphics.Color)	<a href="#">4281073322 (0xFF2BFEEA)</a>
YUV	<a href="#">181.3350, -5.5882, -121.3198</a>
Hunter-Lab	<a href="#">86.1972, -60.3624, 25.8988</a>

# Details

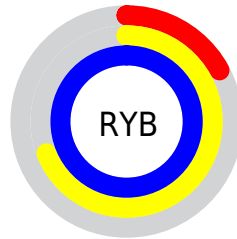
The XYZ color **43.6938, 74.2995, 50.0685** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **45.5704, 24.3327, 22.3776**, and the grayscale version is **44.1726, 46.4730, 50.6091**.

A 20% lighter version of the original color is **58.0917, 81.4466, 84.6105**, and **22.9508, 40.7642, 23.4883** is the 20% darker color. If you saturate the color by 10%, you get **42.0209, 73.5454, 45.1882**, and if you desaturate by 10%, it is **46.1057, 75.4300, 55.3709**.

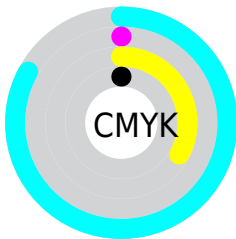
# Distribution



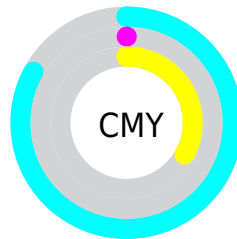
- Red (17%)
- Green (100%)
- Blue (67%)



- Red (17%)
- Yellow (69%)
- Blue (100%)



- Cyan (83%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)




- Cyan (83%)
- Magenta (0%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.6938, 74.2995, 50.0685 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 43.6938, 74.2995, 50.0685 by changing the saturation by 10% instead.





 43.6938, 74.2995,  
50.0685


 43.6938, 74.2995,  
50.0685


352.3306,  
475.5064, 403.6765


 30.6267, 55.0392,  
35.0963


 80.0060, 125.3203,  
91.6737


 20.4652, 39.4331,  
23.4529


 103.9818,  
157.8496, 119.1438

 12.8439, 27.0968,  
14.7198


 132.3246,  
195.5706, 151.6168

 7.3974, 17.6460,  
8.4786


 165.3998,  
238.8678, 189.5115

 3.7604, 10.6961,  
4.3105

203.5726,  
288.1256, 233.2462

 1.5675, 5.8629,  
1.7972

247.2084,

 0.3711, 2.7619,

343.7284, 283.2396

0.4261

296.6727,  
406.0605, 339.9102

■ 0.0000, 1.0087,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 43.6938, 74.2995,  
50.0685

■ 43.6938, 74.2995,  
50.0685

■ 42.0209, 73.5454,  
45.1882


■ 46.1057, 75.4300,  
55.3709


■ 41.1829, 73.1822,  
42.0397


■ 49.3590, 76.9836,  
61.1035


■ 53.5450, 79.0092,  
67.2803


■ 58.7412, 81.5465,  
73.9128

 65.0166, 84.6310,  
81.0118

 72.4338, 88.2947,  
88.5876

 81.0508, 92.5674,  
96.6502

 90.9213, 97.4766,  
105.2090

 94.7331, 99.3663,  
108.7944

# Harmonies

## Analogous

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



51.7375, 74.2995, 26.2474



43.6938, 74.2995, 50.0685



42.2113, 74.2995, 95.4972

# Triad

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



43.6938, 74.2995, 50.0685



75.5478, 74.2995, 219.1846



100.5883, 74.2995, 34.6402

# Complementary

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



43.6938, 74.2995, 50.0685



45.5704, 24.3327, 22.3776

# 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.



109.5561, 74.2995, 67.8709



43.6938, 74.2995, 50.0685



93.6133, 74.2995, 183.0622

# Square

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



43.6938, 74.2995, 50.0685



58.8200, 74.2995, 207.8896



106.8117, 74.2995, 122.3345



83.9000, 74.2995, 20.2565



# Rectangle

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



43.6938, 74.2995, 50.0685



44.8634, 74.2995, 135.7138



106.8117, 74.2995, 122.3345



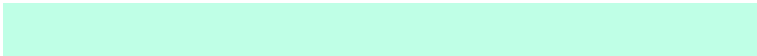
104.7217, 74.2995, 43.2792

# Sweetspot

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



43.6957, 74.3025, 50.0702



71.5383, 88.3206, 87.8603



44.6926, 75.6042, 14.5240



14.7378, 18.6204, 18.2260



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.



43.6957, 74.3025, 50.0702



41.5494, 73.8358, 42.4065



47.9987, 65.8938, 103.9584



18.2307, 20.3518, 21.5178



21.7862, 38.6111, 22.5570



2.1752, 3.7810, 2.4803



# Inverse Universe

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



45.5704, 24.3327, 22.3776



43.6146, 22.2098, 14.4345



43.1504, 24.9253, 4.8232



18.3089, 18.1069, 20.2440



22.8582, 11.6326, 7.9038

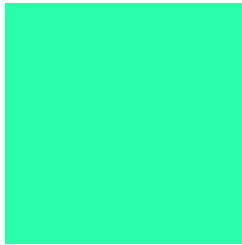


2.2777, 1.1535, 1.0440



# Previews

## White Background



This preview shows how the XYZ color 43.6938, 74.2995, 50.0685 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 43.6938, 74.2995, 50.0685 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

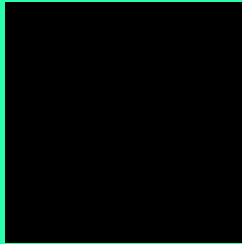
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 43.6938, 74.2995, 50.0685**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.6938, 74.2995, 50.0685.



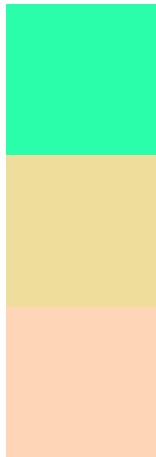
This preview shows how white text looks on a background with the XYZ color 43.6938, 74.2995,



# 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

43.6938, 74.2995, 50.0685

### Protanopia

67.4538, 72.4639, 41.8842

### Deuteranopia

73.5815, 72.2674, 54.8706



## Tritanopia

58.4322, 73.8585, 105.7842

# Trichromacy



## Original Color

43.6938, 74.2995, 50.0685



## Protanomaly

51.7204, 69.1759, 44.3445



## Deuteranomaly

54.1394, 68.1661, 52.4234



## Tritanomaly

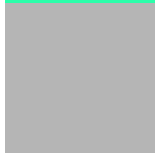
51.0608, 72.7925, 81.8802

# Monochromacy



## Original Color

43.6938, 74.2995, 50.0685



## Achromatopsia

43.9204, 46.2077, 50.3202



## Achromatomaly

39.8518, 53.1114, 49.7461

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.6938, 74.2995, 50.0685 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(43, 254, 170)` looks like.

```
.text, #text, p{  
    color:rgb(43, 254, 170)  
}
```

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(43, 254, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 254, 170) }
```

## Border

The CSS property to change the border of an element to XYZ 43.6938, 74.2995, 50.0685 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(43, 254, 170) }
```



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

```
.border{ border-color:rgb(43, 254, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 254, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 254, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 254, 170);  
box-shadow:4px 4px 4px 4px rgb(43, 254,  
170) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.6938, 74.2995, 50.0685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 254, 170) }
```

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

```
.background{ background-color: rgb(43, 254,  
170) }
```

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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