

# Converting Colors

XYZ(43.1401, 74.7756, 37.0676)

Have a look what the booklet for  
XYZ(43.1401, 74.7756, 37.0676)  
contains.

<b>XYZ(43.0922, 74.7530, 36.9685)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(43.0922, 74.7530,  
36.9685)**

# Conversions

## Conversions Part 1

Format	Color
Hex	47FF8C
RGB	71, 255, 140
RGB Percent	28%, 100%, 55%
CMY	0.7216, 0.0000, 0.4510
CMYK	0.72, 0.00, 0.45, 0.00
HSL	143°, 100%, 64%
HSV	143°, 72%, 100%
XYZ	43.0922, 74.7530, 36.9685
YIQ	186.8740, -72.7490, -74.7730

# Conversions

## Conversions Part 2

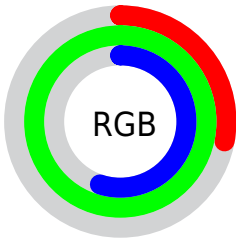
<b>Format</b>	<b>Color</b>
<b>RYB</b>	71, 205, 255
Decimal	4718476
CIELab	89.28, -69.67, 41.99
CIELCh	89, 81.344, 148.925
Yxy	74.7530, 0.2783, 0.4829
Android (android.graphics.Color)	4282908556 (0xFF47FF8C)
YUV	186.8740, -23.1089, -101.6215
Hunter-Lab	86.4598, -62.3390, 35.1706

# Details

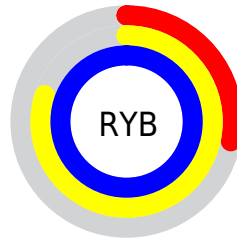
The XYZ color **43.0922, 74.7530, 36.9685** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **52.3566, 29.3123, 49.3534**, and the grayscale version is **47.3190, 49.7833, 54.2140**.

A 20% lighter version of the original color is **56.7657, 81.2109, 64.3132**, and **21.7277, 40.6371, 15.9311** is the 20% darker color. If you saturate the color by 10%, you get **40.5068, 73.5463, 31.1515**, and if you desaturate by 10%, it is **46.6328, 76.4325, 43.7212**.

# Distribution



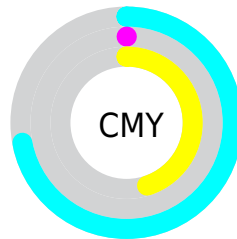
- Red (28%)
- Green (100%)
- Blue (55%)



- Red (28%)
- Yellow (80%)
- Blue (100%)



- Cyan (72%)
- Magenta (0%)
- Yellow (45%)
- Black (0%)




- Cyan (72%)
- Magenta (0%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.0922, 74.7530, 36.9685 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 43.0922, 74.7530, 36.9685 by changing the saturation by 10% instead.





 43.0922, 74.7530,  
36.9685


 43.0922, 74.7530,  
36.9685


349.9059,  
477.0682, 348.3387


 30.1523, 55.4106,  
24.8875


 79.1048, 125.9627,  
71.7101


 20.1029, 39.7305,  
15.7750


 102.9082,  
158.5987, 95.2078

 12.5785, 27.3285,  
9.2125


 131.0636,  
196.4347, 123.3482

 7.2140, 17.8201,  
4.7813

 163.9361,  
239.8550, 156.5497

 3.6438, 10.8209,  
2.0630

201.8913,  
289.2442, 195.2310

 1.5027, 5.9465,  
0.5936

245.2944,

 0.3276, 2.8126,

344.9865, 239.8106

0.0000

294.5108,  
407.4664, 290.7070

■ 0.0000, 1.0347,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 43.0922, 74.7530,  
36.9685

■ 43.0922, 74.7530,  
36.9685

■ 40.5068, 73.5463,  
31.1515

■ 46.6328, 76.4325,  
43.7212


■ 38.7622, 72.7542,  
26.2231


■ 51.2213, 78.6318,  
51.4461


■ 37.8541, 72.3576,  
22.9475


■ 56.9405, 81.3927,  
60.1820

■ 63.8640, 84.7525,  
69.9644

 72.0592, 88.7453,  
80.8270

 81.5881, 93.4025,  
92.8020

 92.5088, 98.7533,  
105.9202

 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.



54.1263, 74.7530, 18.2719



43.0922, 74.7530, 36.9685



39.2860, 74.7530, 79.3568

# Triad

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



43.0922, 74.7530, 36.9685



70.3358, 74.7530, 247.1454



110.0146, 74.7530, 39.1104

# Complementary

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



43.0922, 74.7530, 36.9685



52.3566, 29.3123, 49.3534

# 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.



116.5086, 74.7530, 83.4644



43.0922, 74.7530, 36.9685



91.1791, 74.7530, 219.6503

# Square

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



43.0922, 74.7530, 36.9685



53.0969, 74.7530, 215.6934



109.0576, 74.7530, 151.9489



92.6537, 74.7530, 19.0410



# Rectangle

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



43.0922, 74.7530, 36.9685



40.6892, 74.7530, 122.2915



109.0576, 74.7530, 151.9489



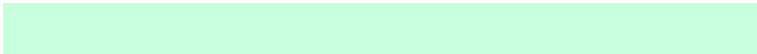
113.6693, 74.7530, 50.8116

# Sweetspot

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



43.0927, 74.7533, 36.9697



72.1967, 88.8124, 81.0042



57.5221, 82.6074, 18.8751



14.9485, 18.7634, 16.6835



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.



43.0927, 74.7533, 36.9697



39.5645, 73.1148, 28.6555



52.7075, 78.5992, 87.6006



18.0533, 20.2808, 20.5836



19.8459, 37.8350, 12.3399



1.9832, 3.7042, 1.4695



# Inverse Universe

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



52.3566, 29.3123, 49.3534



49.2158, 25.3272, 41.2267



45.5836, 26.6031, 13.6873



18.4869, 18.1781, 21.1811



24.9105, 12.4535, 18.7112

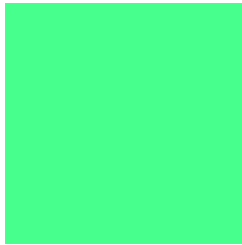


2.4785, 1.2338, 2.1011



# Previews

## White Background



This preview shows how the XYZ color 43.0922, 74.7530, 36.9685 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 43.0922, 74.7530, 36.9685 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

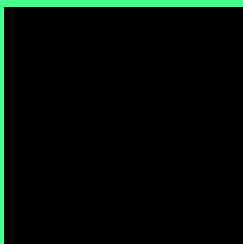
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

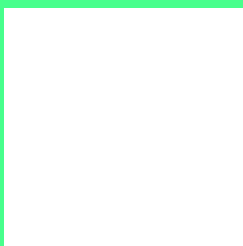
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 43.0922, 74.7530, 36.9685**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.0922, 74.7530, 36.9685.



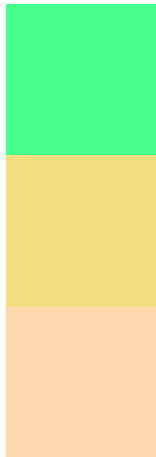
This preview shows how white text looks on a background with the XYZ color 43.0922, 74.7530,



# 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

43.0922, 74.7530, 36.9685

### Protanopia

67.3258, 73.0342, 30.9706

### Deuteranopia

73.0833, 72.8780, 49.7501



## Tritanopia

59.4398, 73.9445, 105.7477

# Trichromacy



## Original Color

43.0922, 74.7530, 36.9685



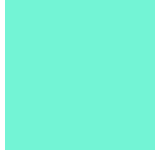
## Protanomaly

52.6437, 70.3353, 32.6313



## Deuteranomaly

55.4689, 69.8582, 44.2787



## Tritanomaly

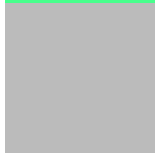
51.4312, 73.1503, 74.3595

# Monochromacy



## Original Color

43.0922, 74.7530, 36.9685



## Achromatopsia

47.2335, 49.6933, 54.1160



## Achromatomaly

42.4762, 56.0090, 46.6023

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.0922, 74.7530, 36.9685 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(71, 255, 140)` looks like.

```
.text, #text, p{  
    color:rgb(71, 255, 140)  
}
```

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(71, 255, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 255, 140) }
```

## Border

The CSS property to change the border of an element to XYZ 43.0922, 74.7530, 36.9685 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(71, 255, 140) }
```



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

```
.border{ border-color:rgb(71, 255, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 255, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 255, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 255, 140);  
box-shadow:4px 4px 4px 4px rgb(71, 255,  
140) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.0922, 74.7530, 36.9685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 255, 140) }
```

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

```
.background{ background-color: rgb(71, 255,  
140) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor