

# Converting Colors

XYZ(57.0081, 100.0000,  
47.4462)

Have a look what the booklet for  
XYZ(57.0081, 100.0000, 47.4462)  
contains.

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# Color

**XYZ(44.7370, 75.4643,  
43.2185)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4DFF9B
RGB	77, 255, 155
RGB Percent	30%, 100%, 61%
CMY	0.6980, 0.0000, 0.3921
CMYK	0.70, 0.00, 0.39, 0.00
HSL	146°, 100%, 65%
HSV	146°, 70%, 100%
XYZ	44.7370, 75.4643, 43.2185
YIQ	190.3780, -73.9880, -68.8360

# Conversions

## Conversions Part 2

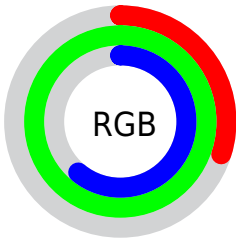
<b>Format</b>	<b>Color</b>
<b>RYB</b>	77, 201, 255
Decimal	5111707
CIELab	89.61, -66.28, 35.10
CIElCh	90, 75.001, 152.093
Yxy	75.4643, 0.2738, 0.4618
Android (android.graphics.Color)	4283301787 (0xFF4DFF9B)
YUV	190.3780, -17.4414, -99.4325
Hunter-Lab	86.8702, -60.0977, 31.3120

# Details

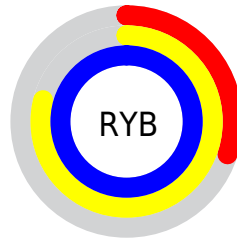
The XYZ color **44.7370, 75.4643, 43.2185** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **51.8302, 29.7428, 44.6051**, and the grayscale version is **49.2900, 51.8570, 56.4722**.

A 20% lighter version of the original color is **59.2469, 82.2841, 73.7326**, and **22.4144, 40.9118, 19.5474** is the 20% darker color. If you saturate the color by 10%, you get **41.9345, 74.1505, 37.1757**, and if you desaturate by 10%, it is **48.4892, 77.2513, 50.0534**.

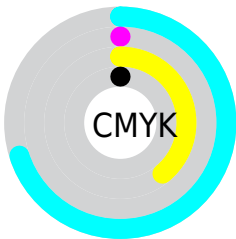
# Distribution



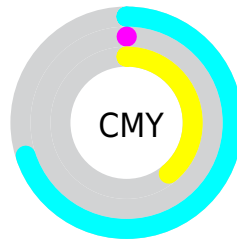
- Red (30%)
- Green (100%)
- Blue (61%)



- Red (30%)
- Yellow (79%)
- Blue (100%)



- Cyan (70%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)



- Cyan (70%)
- Magenta (0%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.7370, 75.4643, 43.2185 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 44.7370, 75.4643, 43.2185 by changing the saturation by 10% instead.





 44.7370, 75.4643,  
43.2185


 44.7370, 75.4643,  
43.2185


356.5090,  
479.5119, 375.4572


 31.4507, 55.9933,  
29.7239


 81.5651, 126.9694,  
81.3304


 21.0958, 40.1976,  
19.3789


 105.8376,  
159.7723, 106.7847

 13.3069, 27.6926,  
11.7648


 134.5030,  
197.7880, 137.0628

 7.7187, 18.0941,  
6.4631

 167.9265,  
241.4009, 172.5831

 3.9658, 11.0176,  
3.0554

206.4734,  
290.9953, 213.7641

 1.6828, 6.0787,  
1.1230

250.5093,

 0.4455, 2.8930,

346.9557, 261.0244

0.0000

300.3994,  
409.6664, 314.7826

0.0000, 1.0761,  
0.0000

0.0000, 0.0000,  
0.0000

44.7370, 75.4643,  
43.2185

44.7370, 75.4643,  
43.2185

41.9345, 74.1505,  
37.1757

48.4892, 77.2513,  
50.0534

39.9747, 73.2551,  
31.8904

53.2783, 79.5558,  
57.7054


38.6924, 72.6937,  
27.3286

59.1831, 82.4178,  
66.2031

38.6703, 72.6841,  
27.2453

66.2738, 85.8732,  
75.5721

 74.6147, 89.9545,  
85.8373

 84.2655, 94.6921,  
97.0221

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.



54.4916, 75.4643, 22.6745



44.7370, 75.4643, 43.2185



41.8107, 75.4643, 85.9315

# Triad

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



44.7370, 75.4643, 43.2185



73.0290, 75.4643, 231.1299



106.1491, 75.4643, 39.1677

# Complementary

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



44.7370, 75.4643, 43.2185



51.8302, 29.7428, 44.6051

# 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.



113.3090, 75.4643, 78.5156



44.7370, 75.4643, 43.2185



92.2591, 75.4643, 201.6940

# Square

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



44.7370, 75.4643, 43.2185



56.3799, 75.4643, 208.5162



107.8392, 75.4643, 139.4402



89.6324, 75.4643, 21.1390



# Rectangle

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



44.7370, 75.4643, 43.2185



43.6366, 75.4643, 126.5766



107.8392, 75.4643, 139.4402



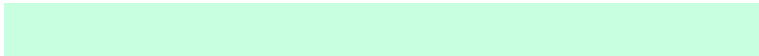
109.8462, 75.4643, 49.5907

# Sweetspot

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



44.7376, 75.4646, 43.2198



73.5477, 89.4316, 84.5596



55.4297, 81.5053, 19.8327



15.2310, 18.8917, 17.4796



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.



44.7376, 75.4646, 43.2198



41.0160, 73.7271, 34.8665



55.0188, 79.5771, 97.3600



18.1022, 20.3004, 20.8410



20.2780, 38.0078, 14.6153



2.0282, 3.7222, 1.7061



# Inverse Universe

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



51.8302, 29.7428, 44.6051



48.4711, 25.4101, 36.1315



45.6920, 27.2875, 12.2816



18.4368, 18.1580, 20.9172



24.2260, 12.1797, 15.1067

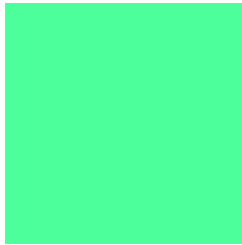


2.4137, 1.2079, 1.7602



# Previews

## White Background



This preview shows how the XYZ color 44.7370, 75.4643, 43.2185 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 44.7370, 75.4643, 43.2185 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

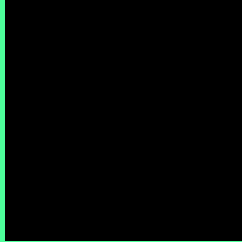
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 44.7370, 75.4643, 43.2185**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.7370, 75.4643, 43.2185.



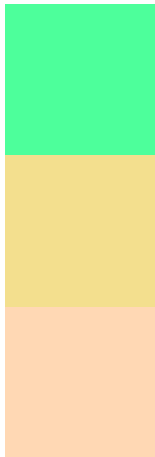
This preview shows how white text looks on a background with the XYZ color 44.7370, 75.4643,



# 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

44.7370, 75.4643, 43.2185

### Protanopia

68.2323, 73.7830, 36.2365

### Deuteranopia

74.0341, 73.6670, 53.4972



## Tritanopia

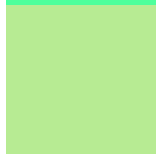
60.5936, 74.9727, 105.8853

# Trichromacy



## Original Color

44.7370, 75.4643, 43.2185



## Protanomaly

54.5032, 71.5905, 38.5495



## Deuteranomaly

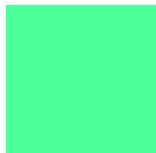
56.8827, 70.4811, 49.1342



## Tritanomaly

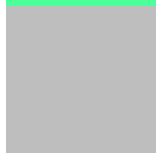
53.1843, 74.4124, 78.5777

# Monochromacy



## Original Color

44.7370, 75.4643, 43.2185



## Achromatopsia

48.9429, 51.4918, 56.0745



## Achromatomaly

44.3768, 57.6570, 50.3850

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.7370, 75.4643, 43.2185 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(77, 255, 155)` looks like.

```
.text, #text, p{  
    color:rgb(77, 255, 155)  
}
```

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(77, 255, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 255, 155) }
```

## Border

The CSS property to change the border of an element to XYZ 44.7370, 75.4643, 43.2185 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(77, 255, 155) }
```



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

```
.border{ border-color:rgb(77, 255, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 255, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 255, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 255, 155);  
box-shadow:4px 4px 4px 4px rgb(77, 255,  
155) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.7370, 75.4643, 43.2185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 255, 155) }
```

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

```
.background{ background-color: rgb(77, 255,  
155) }
```

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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