

# Converting Colors

XYZ(43.3829, 74.6170, 49.9005)

Have a look what the booklet for  
XYZ(43.3829, 74.6170, 49.9005)  
contains.

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# Color

**XYZ(43.4417, 74.6419,  
50.1479)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1AFFAA
RGB	26, 255, 170
RGB Percent	10%, 100%, 67%
CMY	0.8980, 0.0000, 0.3333
CMYK	0.90, 0.00, 0.33, 0.00
HSL	158°, 100%, 55%
HSV	158°, 90%, 100%
XYZ	43.4417, 74.6419, 50.1479
YIQ	176.8390, -109.1990, -74.9830

# Conversions

## Conversions Part 2

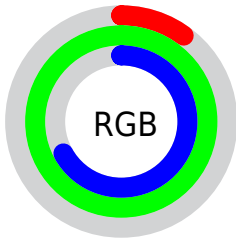
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	26, 167, 255
Decimal	1769386
CIE Lab	89.22, -68.41, 26.97
CIE LCh	89, 73.534, 158.483
Yxy	74.6419, 0.2582, 0.4437
Android (android.graphics.Color)	4279959466 (0xFF1AFFAA)
YUV	176.8390, -3.3716, -132.2858
Hunter-Lab	86.3955, -61.4382, 26.0623

# Details

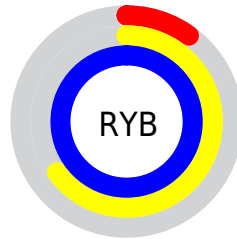
The XYZ color **43.4417, 74.6419, 50.1479** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **44.4796, 23.1474, 17.1660**, and the grayscale version is **41.7656, 43.9407, 47.8514**.

A 20% lighter version of the original color is **57.2332, 81.0041, 84.5703**, and **23.1771, 41.2169, 23.5637** is the 20% darker color. If you saturate the color by 10%, you get **42.1587, 74.0802, 45.5815**, and if you desaturate by 10%, it is **45.3354, 75.5109, 55.0820**.

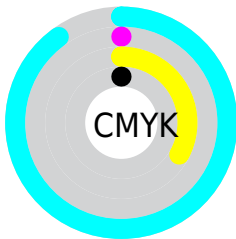
# Distribution



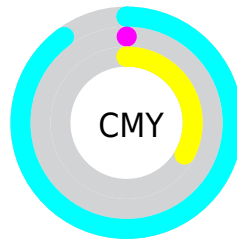
- Red (10%)
- Green (100%)
- Blue (67%)



- Red (10%)
- Yellow (65%)
- Blue (100%)



- Cyan (90%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)



- Cyan (90%)
- Magenta (0%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.4417, 74.6419, 50.1479 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 43.4417, 74.6419, 50.1479 by changing the saturation by 10% instead.





 43.4417, 74.6419,  
50.1479


 43.4417, 74.6419,  
50.1479


351.3159,  
476.6858, 403.9957


 30.4279, 55.3196,  
35.1589


 79.6285, 125.8053,  
91.7925


 20.3133, 39.6576,  
23.5008


 103.5323,  
158.4152, 119.2853


 12.7325, 27.2717,  
14.7550


 131.7966,  
196.2231, 151.7830

 7.3204, 17.7774,  
8.5029

 164.7870,  
239.6133, 189.7043

 3.7114, 10.7903,  
4.3260

 202.8688,  
288.9703, 233.4677

 1.5402, 5.9260,  
1.8059

246.4073,

 0.3529, 2.8001,

344.6785, 283.4917

0.4318

295.7679,  
407.1222, 340.1948

■ 0.0000, 1.0283,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 43.4417, 74.6419,  
50.1479

■ 43.4417, 74.6419,  
50.1479

■ 42.1587, 74.0802,  
45.5815


■ 45.3354, 75.5109,  
55.0820


■ 42.1355, 74.0702,  
45.4928


■ 47.9998, 76.7696,  
60.3943


■ 51.5371, 78.4706,  
66.0976

■ 56.0328, 80.6577,  
72.2021

 61.5616, 83.3694,  
78.7178

 68.1907, 86.6402,  
85.6539

 75.9814, 90.5015,  
93.0192

 84.9904, 94.9824,  
100.8222

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.



51.5656, 74.6419, 25.8626



43.4417, 74.6419, 50.1479



41.9963, 74.6419, 96.7400

# Triad

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



43.4417, 74.6419, 50.1479



76.1580, 74.6419, 223.4339



101.5291, 74.6419, 33.9826

# Complementary

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



43.4417, 74.6419, 50.1479



44.4796, 23.1474, 17.1660

# 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.



110.8389, 74.6419, 67.5481



43.4417, 74.6419, 50.1479



94.6570, 74.6419, 185.7702

# Square

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



43.4417, 74.6419, 50.1479



59.0266, 74.6419, 212.2329



108.1318, 74.6419, 123.1733



84.3683, 74.6419, 19.6452



# Rectangle

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



43.4417, 74.6419, 50.1479



44.7321, 74.6419, 138.0985



108.1318, 74.6419, 123.1733



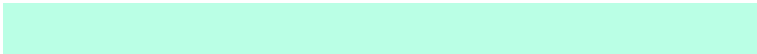
105.8018, 74.6419, 42.6661

# Sweetspot

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



43.4423, 74.6422, 50.1492



70.2510, 87.6598, 87.6712



42.8591, 75.1582, 13.2262



14.5011, 18.4978, 18.2393



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.



43.4423, 74.6422, 50.1492



42.1355, 74.0702, 45.4928



46.2983, 63.0836, 104.3439



18.2521, 20.3604, 21.6306



22.0913, 38.7331, 24.1639



2.2038, 3.7924, 2.6311



# Inverse Universe

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



44.4796, 23.1474, 17.1660



43.2899, 22.0799, 12.7244



42.6874, 23.8563, 3.3330



18.2882, 18.0986, 20.1346



22.6858, 11.5636, 6.9960

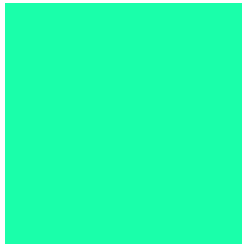


2.2595, 1.1462, 0.9481



# Previews

## White Background



This preview shows how the XYZ color 43.4417, 74.6419, 50.1479 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

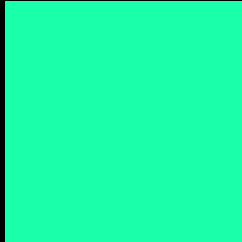
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.4417, 74.6419, 50.1479 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 43.4417, 74.6419, 50.1479**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.4417, 74.6419, 50.1479.



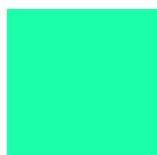
This preview shows how white text looks on a background with the XYZ color 43.4417, 74.6419,



# Color Blindness Simulation

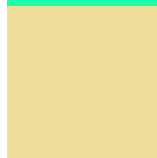
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



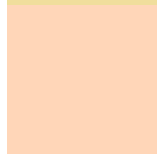
### Original Color

43.4417, 74.6419, 50.1479



### Protanopia

68.0572, 73.1681, 41.9883



### Deuteranopia

73.9383, 72.8138, 55.5049



## Tritanopia

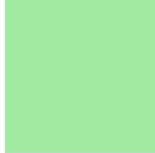
58.5894, 73.9395, 105.7915

# Trichromacy



## Original Color

43.4417, 74.6419, 50.1479



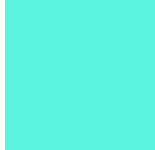
## Protanomaly

50.7561, 69.1002, 44.3808



## Deuteranomaly

53.1693, 68.0640, 52.9832



## Tritanomaly

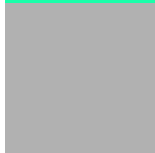
50.7230, 73.0663, 81.9508

# Monochromacy



## Original Color

43.4417, 74.6419, 50.1479



## Achromatopsia

41.7894, 43.9657, 47.8787



## Achromatomaly

37.4973, 50.8562, 47.8843

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.4417, 74.6419, 50.1479 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(26, 255, 170)` looks like.

```
.text, #text, p{  
    color:rgb(26, 255, 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(26, 255, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 255, 170) }
```

## Border

The CSS property to change the border of an element to XYZ 43.4417, 74.6419, 50.1479 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(26, 255, 170) }
```



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

```
.border{ border-color:rgb(26, 255, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 255, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 255, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 255, 170);  
box-shadow:4px 4px 4px 4px rgb(26, 255,  
170) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.4417, 74.6419, 50.1479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 255, 170) }
```

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

```
.background{ background-color: rgb(26, 255,  
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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