

# Converting Colors

XYZ(44.4763, 75.1643, 50.6933)

Have a look what the booklet for  
XYZ(44.4763, 75.1643, 50.6933)  
contains.

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# Color

**XYZ(44.4759, 75.1641,  
50.6921)**

# Conversions

## Conversions Part 1

Format	Color
Hex	33FFAB
RGB	51, 255, 171
RGB Percent	20%, 100%, 67%
CMY	0.8000, 0.0000, 0.3294
CMYK	0.80, 0.00, 0.33, 0.00
HSL	155°, 100%, 60%
HSV	155°, 80%, 100%
XYZ	44.4759, 75.1641, 50.6921
YIQ	184.4280, -94.6200, -69.3720

# Conversions

## Conversions Part 2

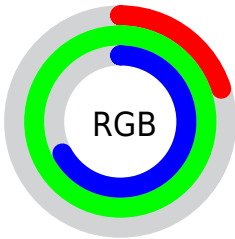
<b>Format</b>	<b>Color</b>
<b>RYB</b>	51, 179, 255
Decimal	3407787
CIELab	89.47, -66.43, 26.84
CIELCh	89, 71.648, 158.004
Yxy	75.1641, 0.2611, 0.4413
Android (android.graphics.Color)	4281597867 (0xFF33FFAB)
YUV	184.4280, -6.6200, -117.0164
Hunter-Lab	86.6972, -60.1492, 26.0210

# Details

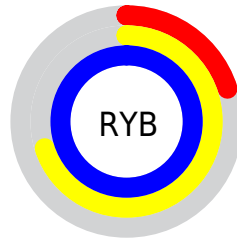
The XYZ color **44.4759, 75.1641, 50.6921** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **46.7976, 25.3776, 25.3550**, and the grayscale version is **45.8704, 48.2593, 52.5543**.

A 20% lighter version of the original color is **58.8310, 81.8119, 85.3636**, and **23.2363, 41.2405, 23.8751** is the 20% darker color. If you saturate the color by 10%, you get **42.5627, 74.2889, 45.5846**, and if you desaturate by 10%, it is **47.1731, 76.4342, 56.2539**.

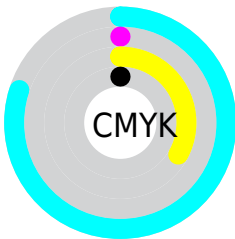
# Distribution



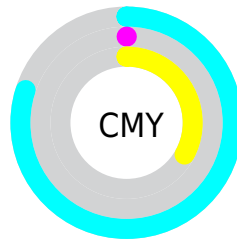
- Red (20%)
- Green (100%)
- Blue (67%)



- Red (20%)
- Yellow (70%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)




- Cyan (80%)
- Magenta (0%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.4759, 75.1641, 50.6921 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 44.4759, 75.1641, 50.6921 by changing the saturation by 10% instead.




 44.4759, 75.1641,  
50.6921


 44.4759, 75.1641,  
50.6921


355.4663,  
478.4814, 406.1787


 31.2443, 55.7473,  
35.5886


 81.1753, 126.5446,  
92.6063


 20.9377, 40.0004,  
23.8295


 105.3738,  
159.2772, 120.2541

 13.1907, 27.5388,  
14.9961


 133.9588,  
197.2171, 152.9204

 7.6379, 17.9783,  
8.6701

 167.2954,  
240.7488, 191.0238

 3.9140, 10.9344,  
4.4328

205.7491,  
290.2567, 234.9828

 1.6536, 6.0228,  
1.8656

249.6853,

 0.4269, 2.8589,

346.1252, 285.2159

0.4707

299.4692,  
408.7386, 342.1417

■ 0.0000, 1.0585,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 44.4759, 75.1641,  
50.6921

■ 44.4759, 75.1641,  
50.6921

■ 42.5627, 74.2889,  
45.5846

■ 47.1731, 76.4342,  
56.2539

■ 41.2653, 73.7221,  
40.9101

■ 50.7549, 78.1510,  
62.2803

■ 41.2650, 73.7220,  
40.9090

■ 55.3083, 80.3591,  
68.7854

■ 60.9087, 83.0972,  
75.7817

67.6237, 86.3999,  
83.2806

75.5153, 90.2989,  
91.2933

84.6405, 94.8237,  
99.8304

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.



52.5967, 75.1641, 26.8312



44.4759, 75.1641, 50.6921



42.9411, 75.1641, 96.0625

# Triad

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



44.4759, 75.1641, 50.6921



76.2482, 75.1641, 219.8728



101.4994, 75.1641, 35.5598

# Complementary

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



44.4759, 75.1641, 50.6921



46.7976, 25.3776, 25.3550

# 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.



110.3818, 75.1641, 69.0972



44.4759, 75.1641, 50.6921



94.3220, 75.1641, 184.1819

# Square

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



44.4759, 75.1641, 50.6921



59.5219, 75.1641, 208.2945



107.5598, 75.1641, 123.6838



84.8542, 75.1641, 20.9231



# Rectangle

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



44.4759, 75.1641, 50.6921



45.5755, 75.1641, 136.1823



107.5598, 75.1641, 123.6838



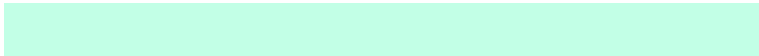
105.6066, 75.1641, 44.3048

# Sweetspot

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



44.4765, 75.1643, 50.6934



72.2117, 88.6648, 88.0238



46.5116, 76.9936, 15.5426



14.8618, 18.6843, 18.2328



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.



44.4765, 75.1643, 50.6934



41.7371, 73.9256, 42.7285



49.9903, 69.0734, 105.3055



18.2199, 20.3475, 21.4608



21.6379, 38.5518, 21.7764



2.1612, 3.7754, 2.4065



# Inverse Universe

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



46.7976, 25.3776, 25.3550



44.2200, 22.6291, 17.0762



43.9052, 25.6340, 5.7665



18.3195, 18.1111, 20.2996



22.9510, 11.6697, 8.3924

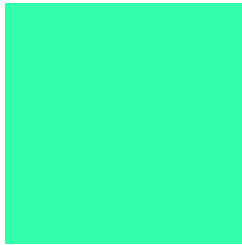


2.2874, 1.1573, 1.0948



# Previews

## White Background



This preview shows how the XYZ color 44.4759, 75.1641, 50.6921 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 44.4759, 75.1641, 50.6921 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 44.4759, 75.1641, 50.6921**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.4759, 75.1641, 50.6921.



This preview shows how white text looks on a background with the XYZ color 44.4759, 75.1641,



# Color Blindness Simulation

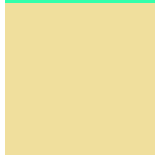
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



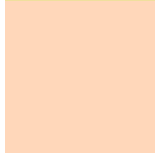
### Original Color

44.4759, 75.1641, 50.6921



### Protanopia

68.4087, 73.7349, 42.5250



### Deuteranopia

74.4034, 73.4060, 56.7017



## Tritanopia

59.3977, 74.3563, 105.8293

# Trichromacy



## Original Color

44.4759, 75.1641, 50.6921



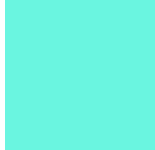
## Protanomaly

53.0245, 70.6832, 45.0310



## Deuteranomaly

55.6934, 69.7536, 54.2445



## Tritanomaly

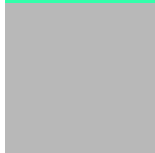
52.0508, 73.7508, 82.0130

# Monochromacy



## Original Color

44.4759, 75.1641, 50.6921



## Achromatopsia

45.5594, 47.9320, 52.1980



## Achromatomaly

41.3366, 54.5821, 51.0046

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.4759, 75.1641, 50.6921 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, 171)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 171)  
}
```

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, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 171) }
```

## Border

The CSS property to change the border of an element to XYZ 44.4759, 75.1641, 50.6921 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, 171) }
```



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

```
.border{ border-color:rgb(51, 255, 171) }
```

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, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 171);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
171) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.4759, 75.1641, 50.6921 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, 171) }
```

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

```
.background{ background-color: rgb(51, 255,  
171) }
```

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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