

# Converting Colors

XYZ(44.8527, 75.4606, 46.0856)

Have a look what the booklet for  
XYZ(44.8527, 75.4606, 46.0856)  
contains.

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# Color

**XYZ(44.7916, 75.4328,  
45.9174)**

# Conversions

## Conversions Part 1

Format	Color
Hex	47FFA1
RGB	71, 255, 161
RGB Percent	28%, 100%, 63%
CMY	0.7215, 0.0000, 0.3686
CMYK	0.72, 0.00, 0.37, 0.00
HSL	149°, 100%, 64%
HSV	149°, 72%, 100%
XYZ	44.7916, 75.4328, 45.9174
YIQ	189.2680, -79.4900, -68.2420

# Conversions

## Conversions Part 2

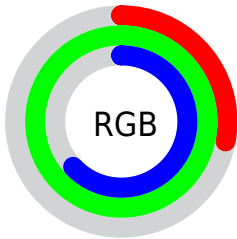
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	71, 195, 255
Decimal	4718497
CIE <sub>Lab</sub>	89.60, -66.06, 32.08
CIE <sub>LCh</sub>	90, 73.435, 154.097
Yxy	75.4328, 0.2696, 0.4540
Android (android.graphics.Color)	4282908577 (0xFF47FFA1)
YUV	189.2680, -13.9361, -103.7210
Hunter-Lab	86.8521, -59.9346, 29.4507

# Details

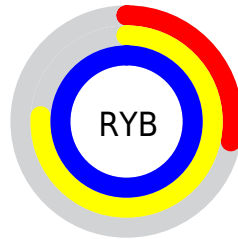
The XYZ color **44.7916, 75.4328, 45.9174** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **50.2853, 28.4839, 38.4462**, and the grayscale version is **48.6337, 51.1664, 55.7202**.

A 20% lighter version of the original color is **59.3100, 82.2287, 77.7115**, and **22.7266, 41.0366, 21.1910** is the 20% darker color. If you saturate the color by 10%, you get **42.2079, 74.2268, 40.1094**, and if you desaturate by 10%, it is **48.2801, 77.0914, 52.3951**.

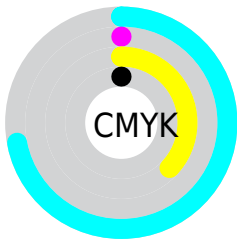
# Distribution



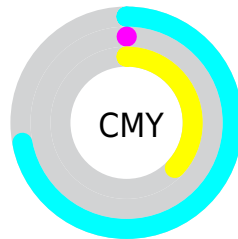
- Red (28%)
- Green (100%)
- Blue (63%)



- Red (28%)
- Yellow (76%)
- Blue (100%)



- Cyan (72%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)




- Cyan (72%)
- Magenta (0%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.7916, 75.4328, 45.9174 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 44.7916, 75.4328, 45.9174 by changing the saturation by 10% instead.





 44.7916, 75.4328,  
45.9174


 44.7916, 75.4328,  
45.9174


356.7268,  
479.4038, 386.7444


 31.4939, 55.9675,  
31.8325


 81.6466, 126.9248,  
85.4283


 21.1289, 40.1769,  
20.9698


 105.9346,  
159.7204, 111.6914

 13.3312, 27.6765,  
12.9109


 134.6167,  
197.7281, 142.8510

 7.7356, 18.0819,  
7.2372

 168.0583,  
241.3325, 179.3255

 3.9766, 11.0088,  
3.5302

206.6248,  
290.9178, 221.5336

 1.6889, 6.0728,  
1.3713

250.6814,

 0.4493, 2.8894,

346.8686, 269.8937

0.1192

300.5937,  
409.5691, 324.8245

■ 0.0000, 1.0743,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 44.7916, 75.4328,  
45.9174

■ 44.7916, 75.4328,  
45.9174

■ 42.2079, 74.2268,  
40.1094

■ 48.2801, 77.0914,  
52.3951


■ 40.4181, 73.4166,  
34.9431


■ 52.7625, 79.2483,  
59.5613

■ 39.4443, 72.9937,  
31.3214


■ 58.3186, 81.9439,  
67.4382

■ 65.0191, 85.2146,  
76.0461

 72.9286, 89.0931,  
85.4042

 82.1066, 93.6099,  
95.5308

 92.6086, 98.7932,  
106.4438

 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.



53.9490, 75.4328, 24.2615



44.7916, 75.4328, 45.9174



42.3541, 75.4328, 89.4404

# Triad

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



44.7916, 75.4328, 45.9174



74.2045, 75.4328, 226.4974



104.4441, 75.4328, 38.0669

# Complementary

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



44.7916, 75.4328, 45.9174



50.2853, 28.4839, 38.4462

# 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.



112.1799, 75.4328, 75.2358



44.7916, 75.4328, 45.9174



92.9633, 75.4328, 194.9845

# Square

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



44.7916, 75.4328, 45.9174



57.5800, 75.4328, 207.8951



107.6626, 75.4328, 133.6502



87.9502, 75.4328, 21.2466



# Rectangle

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



44.7916, 75.4328, 45.9174



44.4545, 75.4328, 129.7599



107.6626, 75.4328, 133.6502



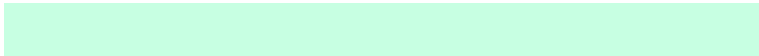
108.2700, 75.4328, 47.8716

# Sweetspot

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



44.7922, 75.4331, 45.9187



73.0609, 89.1581, 85.5550



52.6379, 80.0895, 18.6466



15.1515, 18.8446, 17.7524



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.



44.7922, 75.4331, 45.9187



41.2493, 73.7887, 37.5275



55.9191, 79.8838, 104.5120



18.1419, 20.3163, 21.0500



20.6854, 38.1708, 16.7607



2.0691, 3.7385, 1.9215



# Inverse Universe

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



50.2853, 28.4839, 38.4462



47.0143, 24.4466, 29.6337



44.7320, 26.2625, 9.2028



18.3967, 18.1420, 20.7062



23.7394, 11.9851, 12.5442

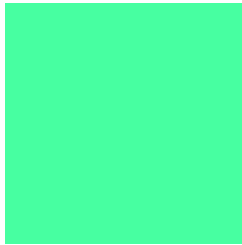


2.3666, 1.1890, 1.5121



# Previews

## White Background



This preview shows how the XYZ color 44.7916, 75.4328, 45.9174 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

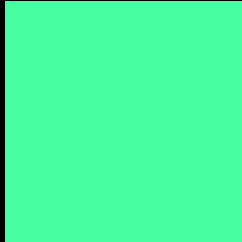
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.7916, 75.4328, 45.9174 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 44.7916, 75.4328, 45.9174**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.7916, 75.4328, 45.9174.



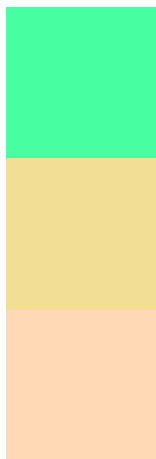
This preview shows how white text looks on a background with the XYZ color 44.7916, 75.4328,



# 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

44.7916, 75.4328, 45.9174

### Protanopia

68.3509, 73.7907, 38.6575

### Deuteranopia

74.2394, 73.7491, 54.5781



## Tritanopia

60.2442, 74.7926, 105.8690

# Trichromacy



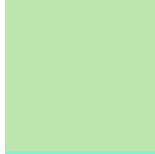
## Original Color

44.7916, 75.4328, 45.9174



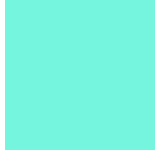
## Protanomaly

54.2805, 71.4199, 41.0615



## Deuteranomaly

56.6758, 70.3410, 50.6344



## Tritanomaly

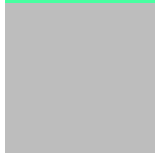
53.0397, 74.3072, 79.9539

# Monochromacy



## Original Color

44.7916, 75.4328, 45.9174



## Achromatopsia

48.3692, 50.8881, 55.4172



## Achromatomaly

43.7850, 56.9542, 51.3334

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.7916, 75.4328, 45.9174 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, 161)` looks like.

```
.text, #text, p{  
    color:rgb(71, 255, 161)  
}
```

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, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 255, 161) }
```

## Border

The CSS property to change the border of an element to XYZ 44.7916, 75.4328, 45.9174 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, 161) }
```



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

```
.border{ border-color:rgb(71, 255, 161) }
```

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, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 255, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 255, 161);  
box-shadow:4px 4px 4px 4px rgb(71, 255,  
161) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.7916, 75.4328, 45.9174 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, 161) }
```

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

```
.background{ background-color: rgb(71, 255,  
161) }
```

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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