

# Converting Colors

XYZ(45.4341, 76.3422, 19.8258)

Have a look what the booklet for  
XYZ(45.4341, 76.3422, 19.8258)  
contains.

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# Color

**XYZ(45.4835, 76.3696,  
19.7407)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7CFF4F
RGB	124, 255, 79
RGB Percent	49%, 100%, 31%
CMY	0.5137, 0.0000, 0.6902
CMYK	0.51, 0.00, 0.69, 0.00
HSL	105°, 100%, 65%
HSV	105°, 69%, 100%
XYZ	45.4835, 76.3696, 19.7407
YIQ	195.7670, -21.5800, -82.5080

# Conversions

## Conversions Part 2

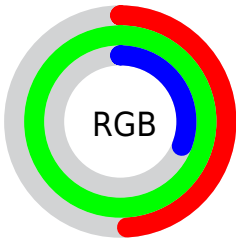
<b>Format</b>	<b>Color</b>
<b>RYB</b>	79, 255, 210
Decimal	8191823
CIELab	90.03, -65.94, 69.62
CIElCh	90, 95.888, 133.447
Yxy	76.3696, 0.3212, 0.5394
Android (android.graphics.Color)	4286381903 (0xFF7CFF4F)
YUV	195.7670, -57.5661, -62.9397
Hunter-Lab	87.3897, -60.0285, 47.7796

# Details

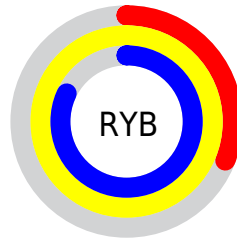
The XYZ color **45.4835, 76.3696, 19.7407** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle washed chartreuse. A complement of this color would be **47.4263, 26.5153, 97.2261**, and the grayscale version is **52.6732, 55.4163, 60.3484**.

A 20% lighter version of the original color is **60.4536, 83.7367, 36.2691**, and **21.5418, 40.7447, 6.7292** is the 20% darker color. If you saturate the color by 10%, you get **42.2423, 74.7862, 15.6383**, and if you desaturate by 10%, it is **49.6089, 78.3677, 25.7437**.

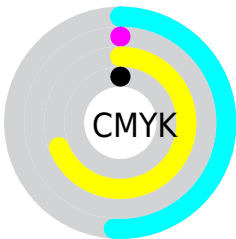
# Distribution



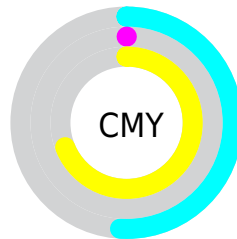
- Red (49%)
- Green (100%)
- Blue (31%)



- Red (31%)
- Yellow (100%)
- Blue (82%)



- Cyan (51%)
- Magenta (0%)
- Yellow (69%)
- Black (0%)



- Cyan (51%)
- Magenta (0%)
- Yellow (69%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.4835, 76.3696, 19.7407 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 45.4835, 76.3696, 19.7407 by changing the saturation by 10% instead.





 45.4835, 76.3696,  
19.7407


 45.4835, 76.3696,  
19.7407


359.4791,  
482.6120, 263.0655


 32.0413, 56.7356,  
12.0245


 82.6781, 128.2492,  
43.8353


 21.5488, 40.7930,  
6.6376


 107.1612,  
161.2637, 61.0507

 13.6405, 28.1574,  
3.1615


 136.0554,  
199.5070, 82.2696

 7.9511, 18.4443,  
1.1777

 169.7259,  
243.3638, 107.9106

 4.1152, 11.2695,  
0.0000

208.5382,  
293.2182, 138.3921

 1.7675, 6.2484,  
0.0000

252.8576,

 0.4980, 2.9967,

349.4548, 174.1328

0.0000

303.0494,  
412.4579, 215.5510

■ 0.0000, 1.1300,  
0.0000

■ 0.0000, 0.0034,  
0.0000

■ 45.4835, 76.3696,  
19.7407

■ 45.4835, 76.3696,  
19.7407

■ 42.2423, 74.7862,  
15.6383

■ 49.6089, 78.3677,  
25.7437

■ 39.8110, 73.5842,  
13.2039

■ 54.6822, 80.8093,  
33.8369

■ 38.0925, 72.7208,  
12.1008

■ 60.7616, 83.7204,  
44.1908

■ 37.9528, 72.6504,  
12.0226

■ 67.9000, 87.1252,  
56.9574

■ 76.1467, 91.0460,  
72.2756

■ 85.5475, 95.5037,  
90.2736

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.



62.4726, 76.3696, 9.7747



45.4835, 76.3696, 19.7407



37.0099, 76.3696, 51.1682

# Triad

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



45.4835, 76.3696, 19.7407



60.3330, 76.3696, 282.2053



126.7062, 76.3696, 56.2865

# Complementary

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



45.4835, 76.3696, 19.7407



47.4263, 26.5153, 97.2261

# 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.



125.7791, 76.3696, 126.2804



45.4835, 76.3696, 19.7407



83.7382, 76.3696, 286.3714

# Square

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



45.4835, 76.3696, 19.7407



44.2132, 76.3696, 209.4922



108.7567, 76.3696, 218.9162



111.0659, 76.3696, 21.7267



# Rectangle

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



45.4835, 76.3696, 19.7407



35.8662, 76.3696, 91.2711



108.7567, 76.3696, 218.9162



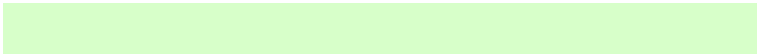
128.4097, 76.3696, 75.5321

# Sweetspot

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



45.4837, 76.3697, 19.7419



74.4213, 90.2266, 69.0294



65.2240, 66.9696, 16.8870



15.4309, 19.0754, 13.8447



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.



45.4837, 76.3697, 19.7419



41.1814, 74.2637, 14.4832



42.3794, 74.5403, 29.9461



18.2068, 20.3925, 19.1209



19.9469, 38.0211, 6.2875



2.0381, 3.7515, 0.6167



# Inverse Universe

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



47.4263, 26.5153, 97.2261



42.9844, 21.3756, 96.4681



56.1657, 31.7045, 66.7340



18.3127, 18.0529, 22.7693



20.6479, 9.5549, 50.1906

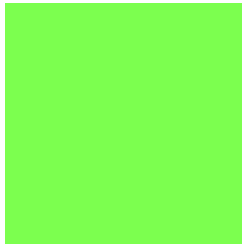


2.1115, 0.9825, 4.8916



# Previews

## White Background



This preview shows how the XYZ color 45.4835, 76.3696, 19.7407 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

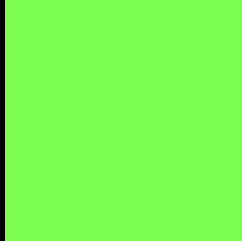
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.4835, 76.3696, 19.7407 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

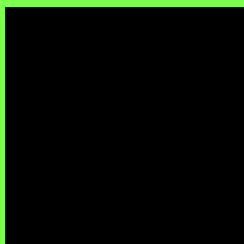
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

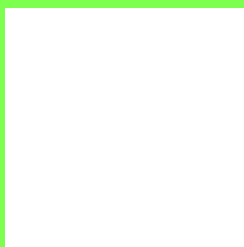
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 45.4835, 76.3696, 19.7407**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.4835, 76.3696, 19.7407.



This preview shows how white text looks on a background with the XYZ color 45.4835, 76.3696,



# 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

45.4835, 76.3696, 19.7407

### Protanopia

68.2074, 75.0008, 16.8429

### Deuteranopia

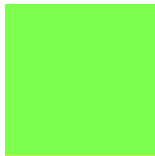
73.9222, 74.8633, 49.0820



## Tritanopia

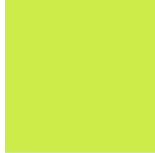
63.6440, 75.6809, 105.8612

# Trichromacy



## Original Color

45.4835, 76.3696, 19.7407



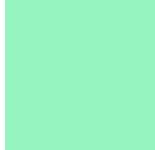
## Protanomaly

56.4083, 73.4645, 17.6856



## Deuteranomaly

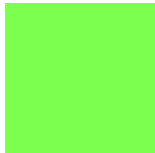
59.1762, 72.8136, 34.9803



## Tritanomaly

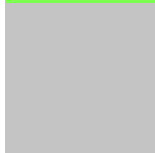
54.1491, 74.8525, 60.8842

# Monochromacy



## Original Color

45.4835, 76.3696, 19.7407



## Achromatopsia

52.4687, 55.2011, 60.1140



## Achromatomaly

47.1402, 60.4717, 39.3246

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.4835, 76.3696, 19.7407 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(124, 255, 79)` looks like.

```
.text, #text, p{  
    color:rgb(124, 255, 79)  
}
```

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(124, 255, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 255, 79) }
```

## Border

The CSS property to change the border of an element to XYZ 45.4835, 76.3696, 19.7407 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(124, 255, 79) }
```



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

```
.border{ border-color:rgb(124, 255, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 255, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 255, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 255, 79);  
box-shadow:4px 4px 4px 4px rgb(124, 255,  
79) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.4835, 76.3696, 19.7407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 255, 79) }
```

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

```
.background{ background-color: rgb(124,  
255, 79) }
```

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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